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Publication Title	Authors	Journal (Pub date)	Volume/Page	PubMed Link
1,3-Disubstituted and 1,3,3-trisubstituted adamantyl-ureas with isoxazole as soluble epoxide hydrolase inhibitors	Burmistrov, Vladimir; Morisseau, Christophe; Danilov, Dmitry; Harris, Todd R; Dalinger, Igor; Vatsadze, Irina; Shkineva, Tatiana; Butov, Gennady M; Hammock, Bruce D	Bioorg Med Chem Lett (2015 Dec 01)	25 / 5514-9	PubMed Citation
1,3-disubstituted ureas functionalized with ether groups are potent inhibitors of the soluble epoxidase	Kim, In-Hae; Tsai, Hsing-Ju; Nishi, Kosuke; Kasagami, Takeo; Morisseau, Christophe; Hammock, Bruce D	J Med Chem (2007 Oct 18)	50 / 5217-26	PubMed Citation
1-Aryl-3-(1-acylpiperidin-4-yl)urea inhibitors of human and murine soluble epoxide hydrolase: structure-activity relationship	Rose, Tristan E; Morisseau, Christophe; Liu, Jun-Yan; Inceoglu, Bora; Jones, Paul D; Sanborn, James R; Hammock, Bruce D	J Med Chem (2010 Oct 14)	53 / 7067-75	PubMed Citation
14,15-Epoxyeicosanoic acid (14,15-EET) surrogates containing epoxide bioisosteres: influence of substituents on biological activity	Falck, J R; Kodela, Ravinder; Manne, Rajkumar; Atcha, Krishnam Raju; Puli, Narender; Dubasi, Narsimhaswamy; Manthati, Vijay L; Capdevila, Jorge H; Yi, Xiu-Yu; Goldman, Daniel H; Morisseau, Christophe; Hammock, Bruce D; Campbell, William B	J Med Chem (2009 Aug 27)	52 / 5069-75	PubMed Citation
2,2',3,5',6-Pentachlorobiphenyl (PCB 95) and its hydroxylated metabolites are enantiomerically enriched in rat liver	Kania-Korwel, Izabela; Barnhart, Christopher D; Stamou, Marianna; Truong, Kim M; El-Komy, Mohammed H M E; Lein, Pamela J; Veng-Pedersen, Peter; Lehmler, Hans-Joachim	Environ Sci Technol (2012 Oct 16)	46 / 11393-401	PubMed Citation
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) induces organ-specific differential gene expression in mouse liver	Volz, David C; Bencic, David C; Hinton, David E; Law, J McHugh; Kullman, Seth W	Toxicol Sci (2005 May)	85 / 572-84	PubMed Citation
2,3-cis-2R,3R-(-)-epiafzelechin-3-O-p-coumarate, a novel flavan-3-ol isolated from <i>Fallopia convolvulus</i>	Brennan, Jennifer C; Denison, Michael S; Holstege, Dirk M; Magiatitis, Prokopios; Dallas, Jerry L; Gutierrez, Elisa G; Soshilov, Anatoly A; Millam, James R	BMC Complement Altern Med (2013)	13 / 133	PubMed Citation
3,3',4,4',5-Pentachlorobiphenyl (PCB 126) Decreases Hepatic and Systemic Ratios of Epoxide to Diol M	Wu, Xianai; Yang, Jun; Morisseau, Christophe; Robertson, Larry W; Hammock, Bruce; Lehmler, Hans-Joachim	Toxicol Sci (2016 Aug)	152 / 309-22	PubMed Citation
3-D QSAR analysis of inhibition of murine soluble epoxide hydrolase (MsEH) by benzoylureas, arylurea ...	Nakagawa, Y; Wheelock, C E; Morisseau, C; Goodrow, M H; Hammock, B G; Hammock, B D	Bioorg Med Chem (2000 Nov)	8 / 2663-73	PubMed Citation
[14C]monocrotaline kinetics and metabolism in the rat.	Estep, J E; Lame, M W; Morin, D; Jones, A D; Wilson, D W; Segall, H J	Drug Metab Dispos (1991 Jan-Feb)	19 / 135-9	PubMed Citation
A bias in the "mass-normalized" DTT response - an effect of non-linear concentration-response curves ...	Charrier, Jessica G; McFall, Alexander S; Vu, Kennedy K-T; Baroi, James; Olea, Catalina; Hasson, Alam; Anastasio, Cort	Atmos Environ (1994) (2016 Nov)	144 / 325-334	PubMed Citation

A clomazone immunoassay to study the environmental fate of the herbicide in rice (<i>Oryza sativa</i>) agri ...	Carlomagno, Mariana; Mathó, Cecilia; Cantou, Guillermina; Sanborn, James R; Last, Jerold A; Hammock, Bruce D; Roel, Alvaro; González, David; González-Sapienza, Gualberto	J Agric Food Chem (2010 Apr 14)	58 / 4367-71	PubMed Citation
A Comparison of Hydroxyl Radical and Hydrogen Peroxide Generation in Ambient Particle Extracts and L ...	Shen, Huiyun; Anastasio, Cort	Atmos Environ (2012 Jan 1)	46 / 665-668	PubMed Citation
A distal region of the human TGM1 promoter is required for expression in transgenic mice and culture ...	Phillips, Marjorie A; Jessen, Bart A; Lu, Ying; Qin, Qin; Stevens, Mary E; Rice, Robert H	BMC Dermatol (2004 Apr 5)	4 / 2	PubMed Citation
A general-purpose baseline estimation algorithm for spectroscopic data.	Barkauskas, Donald A; Rocke, David M	Anal Chim Acta (2010 Jan 11)	657 / 191-7	PubMed Citation
A high-throughput assay format for determination of nitrate reductase and nitrite reductase enzyme a ...	McNally, N; Liu, X Y; Choudary, P V	Appl Biochem Biotechnol (1997 Jan)	62 / 29-36	PubMed Citation
A keratin scaffold regulates epidermal barrier formation, mitochondrial lipid composition, and activ ...	Kumar, Vinod; Bouameur, Jamal-Eddine; Bär, Janina; Rice, Robert H; Hornig-Do, Hue-Tran; Roop, Dennis R; Schwarz, Nicole; Brodesser, Susanne; Thiering, Sören; Leube, Rudolf E; Wiesner, Rudolf J; Vijayaraj, Preethi; Brazel, Christina B; Heller, Sandra; Binder, Hans; Löffler-Wirth, Henry; Seibel, Peter; Magin, Thomas M	J Cell Biol (2015 Dec 7)	211 / 1057-75	PubMed Citation
A method for detection of differential gene expression in the presence of inter-individual variabili ...	Rocke, David M; Goldberg, Zelanna; Schweitert, Chad; Santana, Alison	Bioinformatics (2005 Nov 1)	21 / 3990-2	PubMed Citation
A method for the trace analysis of naptalam (N-1-naphthylphthalamic acid) in water.	Wolfe, M F; Seiber, J N	Arch Environ Contam Toxicol (1992 Jul)	23 / 137-41	PubMed Citation
A Method to Detect Differential Gene expression in Cross-Species Hybridization Experiments at Gene a ...	Chen, Ying; Wu, Rebekah; Felton, James; Rocke, David M; Chakicherla, Anu	Biomed Inform Insights (2010 Mar 5)	2010 / 1-10	PubMed Citation
A microemulsion preparation of nanoparticles of europium in silica with luminescence enhancement usi ...	Ma, Zhi Ya; Dosev, Dosi; Kennedy, Ian M	Nanotechnology (2009 Feb 25)	20 / 085608	PubMed Citation
A model for measurement error for gene expression arrays.	Rocke, D M; Durbin, B	J Comput Biol (2001)	8 / 557-69	PubMed Citation
A multiresidue method by high performance liquid chromatography-based fractionation and gas chromato ...	Seiber, J N; Glotfelty, D E; Lucas, A D; McChesney, M M; Sagebiel, J C; Wehner, T A	Arch Environ Contam Toxicol (1990 Jul-Aug)	19 / 583-92	PubMed Citation
A new class of inhibitors of 2-arachidonoylglycerol hydrolysis and invasion of prostate cancer cells ...	Nithipatikom, Kasem; Endsley, Michael P; Isbell, Marilyn A; Wheelock, Craig E; Hammock, Bruce D; Campbell, William B	Biochem Biophys Res Commun (2005 Jul 15)	332 / 1028-33	PubMed Citation
A novel fractionation approach for water constituents - distribution of storm event metals.	McKenzie, Erica R; Young, Thomas M	Environ Sci Process Impacts (2013 May)	15 / 1006-16	PubMed Citation
A novel p21 attenuator which is structurally related to sorafenib.	Wettersten, Hiromi I; Hee Hwang, Sung; Li, Cuiwen; Shiu, Eunice Y; Ther (2013 Mar) Wecksler, Aaron T; Hammock, Bruce D; Weiss, Robert H	Cancer Biol Ther (2013 Mar)	14 / 278-85	PubMed Citation
A proteomic analysis of green and white sturgeon larvae exposed to heat stress and selenium.	Silvestre, Frederic; Linares-Casenave, Javier; Doroshov, Serge I; Kultz, Dietmar	Sci Total Environ (2010 Jul 15)	408 / 3176-88	PubMed Citation
A proteomic study of serum from children with autism showing differential expression of apolipoprote ...	Corbett, B A; Kantor, A B; Schulman, H; Walker, W L; Lit, L; Ashwood, P; Rocke, D M; Sharp, F R	Mol Psychiatry (2007 Mar)	12 / 292-306	PubMed Citation

A rapid luminescent assay for measuring cytochrome P450 activity in individual larval <i>Culex pipiens</i> ...	Inceoglu, A B; Waite, T D; Christiansen, J A; McAbee, R D; Kamita, S G; Hammock, B D; Cornel, A J	J Med Entomol (2009 Jan)	46 / 83-92	PubMed Citation
A sensitive class specific immunoassay for the detection of pyrethroid metabolites in human urine.	Shan, Guomin; Huang, Huazhang; Stoutamire, Donald W; Gee, Shirley J; Leng, Gabriele; Hammock, Bruce D	Chem Res Toxicol (2004 Feb)	17 / 218-25	PubMed Citation
A shallow BTEX and MTBE contaminated aquifer supports a diverse microbial community.	Feris, K P; Hristova, K; Gebreyesus, B; Mackay, D; Scow, K M	Microb Ecol (2004 Nov)	48 / 589-600	PubMed Citation
A sheep model for MPTP induced Parkinson-like symptoms.	Hammock, B D; Beale, A M; Work, T; Gee, S J; Gunther, R; Higgins, R J; Shinka, T; Castagnoli Jr, N	Life Sci (1989)	45 / 1601-8	PubMed Citation
A single charged surface residue modifies the activity of ikitoxin, a beta-type Na ⁺ channel toxin fr ...	Inceoglu, A Bora; Hayashida, Yuki; Lango, Jozsef; Ishida, Andrew T; Hammock, Bruce D	Eur J Biochem (2002 Nov)	269 / 5369-76	PubMed Citation
A stochastic simulation procedure for selecting herbicides with minimum environmental impact.	Giudice, Ben D; Massoudieh, Arash; Huang, Xinjiang; Young, Thomas M	Environ Sci Technol (2008 Jan 15)	42 / 354-60	PubMed Citation
A study of the effect of perchloroethylene exposure on semen quality in dry cleaning workers.	Eskenazi, B; Wyrobek, A J; Fenster, L; Katz, D F; Sadler, M; Lee, J; Hudes, M; Rempel, D M	Am J Ind Med (1991)	20 / 575-91	PubMed Citation
A study of the effect of perchloroethylene exposure on the reproductive outcomes of wives of dry-cle ...	Eskenazi, B; Fenster, L; Hudes, M; Wyrobek, A J; Katz, D F; Gerson, J; Rempel, D M	Am J Ind Med (1991)	20 / 593-600	PubMed Citation
A variance-stabilizing transformation for gene-expression microarray data.	Durbin, B P; Hardin, J S; Hawkins, D M; Rocke, D M	Bioinformatics (2002)	18 Suppl 1 / S105-10	PubMed Citation
Ability to assimilate nitrogenous oxides is limited to a few species of yeasts.	Choudary, P V	Microbiols (1993)	74 / 241-8	PubMed Citation
Accelerated immunoassays based on magnetic particle dynamics in a rotating capillary tube with stati ...	Lee, Jun-Tae; Sudheendra, L; Kennedy, Ian M	Anal Chem (2012 Oct 2)	84 / 8317-22	PubMed Citation
Activation of peroxisome proliferator-activated receptor alpha by substituted urea-derived soluble e ...	Fang, Xiang; Hu, Shanming; Watanabe, Takaho; Weintraub, Neal L; Snyder, Gary D; Yao, Jianrong; Liu, Yi; Shyy, John Y-J; Hammock, Bruce D; Spector, Arthur A	J Pharmacol Exp Ther (2005 Jul)	314 / 260-70	PubMed Citation
Activation of the Ah receptor by extracts of dietary herbal supplements, vegetables, and fruits.	Jeuken, Anoek; Keser, Bart J G; Khan, Elaine; Brouwer, Abraham; Koeman, Jan; Denison, Michael S	J Agric Food Chem (2003 Aug 27)	51 / 5478-87	PubMed Citation
Activation of the Ah receptor by tryptophan and tryptophan metabolites.	Heath-Pagliuso, S; Rogers, W J; Tullis, K; Seidel, S D; Cenijn, P H; Brouwer, A; Denison, M S	Biochemistry (1998 Aug 18)	37 / 11508-15	PubMed Citation
Activation of the Ah receptor signal transduction pathway by bilirubin and biliverdin.	Phelan, D; Winter, G M; Rogers, W J; Lam, J C; Denison, M S	Arch Biochem Biophys (1998 Sep 1)	357 / 155-63	PubMed Citation
Activation of the Ah receptor signaling pathway by prostaglandins.	Seidel, S D; Winters, G M; Rogers, W J; Ziccardi, M H; Li, V; Keser, B; Denison, M S	J Biochem Mol Toxicol (2001)	15 / 187-96	PubMed Citation
Activation of the aryl hydrocarbon receptor by structurally diverse exogenous and endogenous chemica ...	Denison, Michael S; Nagy, Scott R	Annu Rev Pharmacol Toxicol (2003)	43 / 309-34	PubMed Citation
Acute augmentation of epoxygenated fatty acid levels rapidly reduces pain-related behavior in a rat ...	Inceoglu, Bora; Wagner, Karen M; Yang, Jun; Bettaieb, Ahmed; Schebb, Nils H; Hwang, Sung Hee; Morisseau, Christophe; Haj, Fawaz G; Hammock, Bruce D	Proc Natl Acad Sci U S A (2012 Jul 10)	109 / 11390-5	PubMed Citation

Age specific responses to acute inhalation of diffusion flame soot particles: cellular injury and th ...	Van Winkle, Laura S; Chan, Jackie K W; Anderson, Donald S; Kumfer, Benjamin M; Kennedy, Ian M; Wexler, Anthony S; Wallis, Christopher; Abid, Aamir D; Sutherland, Katherine M; Fanucchi, Michelle V	Inhal Toxicol (2010 Dec)	22 Suppl 2 / 70-83	PubMed Citation
Age-specific effects on rat lung glutathione and antioxidant enzymes after inhaling ultrafine soot.	Chan, Jackie K W; Kodani, Sean D; Charrier, Jessie G; Morin, Dexter; Edwards, Patricia C; Anderson, Donald S; Anastasio, Cort; Van Winkle, Laura S	Am J Respir Cell Mol Biol (2013 Jan)	48 / 114-24	PubMed Citation
Ah receptor-based chemical screening bioassays: application and limitations for the detection of Ah ...	Seidel, S D; Li, V; Winter, G M; Rogers, W J; Martinez, E I; Denison, M S	Toxicol Sci (2000 May)	55 / 107-15	PubMed Citation
Ah-receptor-dependent modulation of gene expression by aged and diluted sidestream cigarette smoke.	Gebremichael, A; Tullis, K; Denison, M S; Cheek, J M; Pinkerton, K E	Toxicol Appl Pharmacol (1996 Nov)	141 / 76-83	PubMed Citation
Alteration in plasma testosterone levels in male mice lacking soluble epoxide hydrolase.	Luria, Ayala; Morisseau, Christophe; Tsai, Hsing-Ju; Yang, Jun; Inceoglu, Bora; De Taeye, Bart; Watkins, Steven M; Wiest, Michelle M; German, J Bruce; Hammock, Bruce D	Am J Physiol Endocrinol Metab (2009 Aug)	297 / E375-83	PubMed Citation
Alterations in the proteome of the respiratory tract in response to single and multiple exposures to ...	Kültz, Dietmar; Li, Johnathon; Sacchi, Romina; Morin, Dexter; Buckpitt, Alan; Van Winkle, Laura	Proteomics (2015 Aug)	15 / 2655-68	PubMed Citation
Altered kidney CYP2C and cyclooxygenase-2 levels are associated with obesity-related albuminuria.	Dey, Aparajita; Williams, Roger S; Pollock, David M; Stepp, David W; Newman, John W; Hammock, Bruce D; Imig, John D	Obes Res (2004 Aug)	12 / 1278-89	PubMed Citation
Altered soluble epoxide hydrolase gene expression and function and vascular disease risk in the stro ...	Corenblum, Mandi J; Wise, Vance E; Georgi, Katrin; Hammock, Bruce D; Doris, Peter A; Fornage, Myriam	Hypertension (2008 Feb)	51 / 567-73	PubMed Citation
An aerobic sequencing batch reactor for 2,4,6-trinitrophenol (picric acid) biodegradation.	Weidhaas, Jennifer L; Schroeder, Edward D; Chang, Daniel P Y	Biotechnol Bioeng (2007 Aug 15)	97 / 1408-14	PubMed Citation
An analysis of biomedical waste incineration.	Glasser, H; Chang, D P; Hickman, D C	J Air Waste Manage Assoc (1991 Sep)	41 / 1180-8	PubMed Citation
An enzyme immunoassay for serum and urinary levonorgestrel in human and non-human primates.	Munro, C J; Laughlin, L S; VonSchalscha, T; Baldwin, D M; Lasley, B L	Contraception (1996 Jul)	54 / 43-53	PubMed Citation
An enzyme-linked immunosorbent assay for detecting 3-phenoxybenzoic acid in plasma and its applicati ...	Thiphom, Sarunya; Prapamontol, Tippawan; Chantara, Somporn; Mangklabruks, Ampica; Suphavilai, Chaisuree; Ahn, Ki Chang; Gee, Shirley J; Hammock, Bruce D	Anal Methods (2012 Oct 24)	4 / 3772-3778	PubMed Citation
An enzyme-linked immunosorbent assay for the detection of esfenvalerate metabolites in human urine.	Shan, G; Wengatz, I; Stoutamire, D W; Gee, S J; Hammock, B D	Chem Res Toxicol (1999 Nov)	12 / 1033-41	PubMed Citation
An enzyme-linked immunosorbent assay for the determination of dioxins in contaminated sediment and s ...	Emon, Jeanette M Van; Chuang, Jane C; Lordo, Robert A; Schrock, Mary E; Nichkova, Mikaela; Gee, Shirley J; Hammock, Bruce D	Chemosphere (2008 May)	72 / 95-103	PubMed Citation
An epoxide hydrolase inhibitor, 12-(3-adamantan-1-yl-ureido)dodecanoic acid (AUDA), reduces ischemic ...	Dorrance, Anne M; Rupp, Nicole; Pollock, David M; Newman, John W; Hammock, Bruce D; Imig, John D	J Cardiovasc Pharmacol (2005 Dec)	46 / 842-8	PubMed Citation
An equilibrium analysis of some chlorinated hydrocarbons in stoichiometric to fuel-rich post-flame c ...	Chang, D P; Mournighan, R E; Huffman, G L	J Air Waste Manage Assoc (1991 Jul)	41 / 947-55	PubMed Citation

An evaluation of sample preparation techniques for the GC/MS analysis of urinary mercapturic acid co ...	Dinoff, T M; Winter, C K; Jones, A D; New, R	J Anal Toxicol (1992 May-Jun)	16 / 147-51	PubMed Citation
An ex situ evaluation of TBA- and MTBE-baited bio-traps.	North, Katharine P; Mackay, Douglas M; Annable, Michael D; Sublette, Kerry L; Davis, Greg; Holland, Reef B; Petersen, Daniel; Scow, Kate M	Water Res (2012 Aug)	46 / 3879-88	PubMed Citation
An expression index for Affymetrix GeneChips based on the generalized logarithm.	Zhou, Lei; Rocke, David M	Bioinformatics (2005 Nov 1)	21 / 3983-9	PubMed Citation
An immunoassay for a urinary metabolite as a biomarker of human exposure to the pyrethroid insectici ...	Ahn, Ki Chang; Ma, Seung-Jin; Tsai, Hsing-Ju; Gee, Shirley J; Hammock, Bruce D	Anal Bioanal Chem (2006 Feb)	384 / 713-22	PubMed Citation
An immunoassay for the detection of tricosan-O-glucuronide, a primary human urinary metabolite of t ...	Ranganathan, Anupama; Gee, Shirley J; Hammock, Bruce D	Anal Bioanal Chem (2015 Sep)	407 / 7263-73	PubMed Citation
An immunoassay to evaluate human/environmental exposure to the antimicrobial triclocarban.	Ahn, Ki Chang; Kasagami, Takeo; Tsai, Hsing-Ju; Schebb, Nils Helge; Ogunyoku, Temitope; Gee, Shirley J; Young, Thomas M; Hammock, Bruce D	Environ Sci Technol (2012 Jan 3)	46 / 374-81	PubMed Citation
An inversion algorithm for determining area-source emissions from downwind concentration measurement ...	Lehning, M; Shonnard, D R; Chang, D P; Bell, R L	Air Waste (1994 Oct)	44 / 1204-13	PubMed Citation
An omega-3 epoxide of docosahexaenoic acid lowers blood pressure in angiotensin-II-dependent hyperte ...	Ulu, Arzu; Stephen Lee, Kin Sing; Miyabe, Christina; Yang, Jun; Hammock, Bruce G; Dong, Hua; Hammock, Bruce D	J Cardiovasc Pharmacol (2014 Jul)	64 / 87-99	PubMed Citation
An orally active epoxide hydrolase inhibitor lowers blood pressure and provides renal protection in ...	Imig, John D; Zhao, Xueying; Zaharis, Constantine Z; Olearczyk, Jeffrey J; Pollock, David M; Newman, John W; Kim, In-Hae; Watanabe, Takaho; Hammock, Bruce D	Hypertension (2005 Oct)	46 / 975-81	PubMed Citation
An ω-3-enriched diet alone does not attenuate CCl4-induced hepatic fibrosis.	Harris, Todd R; Kodani, Sean; Yang, Jun; Imai, Denise M; Hammock, Bruce D	J Nutr Biochem (2016 Dec)	38 / 93-101	PubMed Citation
Analgesia mediated by soluble epoxide hydrolase inhibitors is dependent on cAMP.	Inceoglu, Bora; Wagner, Karen; Schebb, Nils H; Morisseau, Christophe; Jinks, Steven L; Ulu, Arzu; Hegedus, Christine; Rose, Tristan; Brosnan, Robert; Hammock, Bruce D	Proc Natl Acad Sci U S A (2011 Mar 22)	108 / 5093-7	PubMed Citation
Analysis of Ah receptor pathway activation by brominated flame retardants.	Brown, David J; Van Overmeire, Ilse; Goeyens, Leo; Denison, Michael S; De Vito, Michael J; Clark, George C	Chemosphere (2004 Jun)	55 / 1509-18	PubMed Citation
Analysis of dioxins in contaminated soils with the calux and caflux bioassays, an immunoassay, and g ...	Nording, Malin; Denison, Michael S; Baston, David; Persson, Ylva; Spinnel, Erik; Haglund, Peter	Environ Toxicol Chem (2007 Jun)	26 / 1122-9	PubMed Citation
Analysis of MALDI FT-ICR mass spectrometry data: a time series approach.	Barkauskas, Donald A; Kronewitter, Scott R; Lebrilla, Carlito B; Rocke, David M	Anal Chim Acta (2009 Aug 26)	648 / 207-14	PubMed Citation
Analysis of mammalian carboxylesterase inhibition by trifluoromethylketone-containing compounds.	Wadkins, Randy M; Hyatt, Janice L; Edwards, Carol C; Tsurkan, Lyudmila; Redinbo, Matthew R; Wheelock, Craig E; Jones, Paul D; Hammock, Bruce D; Potter, Philip M	Mol Pharmacol (2007 Mar)	71 / 713-23	PubMed Citation
Analysis of naphthalene adduct binding sites in model proteins by tandem mass spectrometry.	Pham, Nathalie T; Jewell, William T; Morin, Dexter; Buckpitt, Alan R	Chem Biol Interact (2012 Aug 30)	199 / 120-8	PubMed Citation
Analysis of PCDD/Fs and dioxin-like PCBs in atmospheric deposition samples from the Flemish measurem ...	Croes, K; Vandermarken, T; Van Langenhove, K; Elskens, M; Desmedt, M; Roekens, E; Denison, M S; Van Larebeke, N; Baeyens, W	Chemosphere (2012 Aug)	88 / 881-7	PubMed Citation

Analysis of the antiestrogenic activity of 2,3,7,8-tetrachlorodibenzo-p-dioxin in human ovarian carcinoma cell lines by liquid scintillation counting.	Rogers, Jane M; Denison, Michael S	Mol Pharmacol (2002 Jun)	61 / 1393-403	PubMed Citation
Analyte identification in multivariate calibration.	Jones, G; Rocke, D M	Biometrics (2001 Jun)	57 / 571-6	PubMed Citation
Analytical performance of accelerator mass spectrometry and liquid scintillation counting for detection of polychlorinated dibenzofuran and dibenzodioxin congeners in human breast milk.	Gilman, S D; Gee, S J; Hammock, B D; Vogel, J S; Haack, K; Buchholz, B A; Freeman, S P; Wester, R C; Hui, X; Maibach, H I	Anal Chem (1998 Aug 15)	70 / 3463-9	PubMed Citation
Angiotensin II up-regulates soluble epoxide hydrolase in vascular endothelium in vitro and in vivo.	Ai, Ding; Fu, Yi; Guo, Deliang; Tanaka, Hiromasa; Wang, Nanping; Tang, Chaoshu; Hammock, Bruce D; Shyy, John Y-J; Zhu, Yi	Proc Natl Acad Sci U S A (2007 May 22)	104 / 9018-23	PubMed Citation
Animal models of autism spectrum disorders: information for neurotoxicologists.	Halladay, Alycia K; Amaral, David; Aschner, Michael; Bolivar, Valerie J; Bowman, Aaron; DiCicco-Bloom, Emanuel; Hyman, Susan L; Keller, Flavio; Lein, Pamela; Pessah, Isaac; Restifo, Linda; Threadgill, David W	Neurotoxicology (2009 Sep)	30 / 811-21	PubMed Citation
Anthropogenic debris in seafood: Plastic debris and fibers from textiles in fish and bivalves sold for human consumption.	Rochman, Chelsea M; Tahir, Akbar; Williams, Susan L; Baxa, Dolores V; Lam, Rosalyn; Miller, Jeffrey T; Teh, Foo-Ching; Werorilangi, Shinta; Teh, Swee J	Sci Rep (2015)	5 / 14340	PubMed Citation
Anti-inflammatory effects of ω-3 polyunsaturated fatty acids and soluble epoxide hydrolase inhibitor.	Ulu, Arzu; Harris, Todd R; Morisseau, Christophe; Miyabe, Christina; Inoue, Hiromi; Schuster, Gertrud; Dong, Hua; Iosif, Ana-Maria; Liu, Jun-Yan; Weiss, Robert H; Chiamvimonvat, Nipavan; Imig, John D; Hammock, Bruce D	J Cardiovasc Pharmacol (2013 Sep)	62 / 285-97	PubMed Citation
Anti-inflammatory properties of prostaglandin E2: deletion of microsomal prostaglandin E synthase-1.	Frolov, Andrey; Yang, Lihua; Dong, Hua; Hammock, Bruce D; Crofford, Leslie J	Prostaglandins Leukot Essent Fatty Acids (2013 Oct)	89 / 351-8	PubMed Citation
Anti-Ulcer Efficacy of Soluble Epoxide Hydrolase Inhibitor TPPU on Diclofenac-Induced Intestinal Ulcers in Rats.	Goswami, Sumanta Kumar; Wan, Debin; Yang, Jun; Trindade da Silva, Carlos A; Morisseau, Christophe; Kodani, Sean D; Yang, Guang-Yu; Inceoglu, Bora; Hammock, Bruce D	J Pharmacol Exp Ther (2016 Jun)	357 / 529-36	PubMed Citation
Antiandrogenic properties of parabens and other phenolic containing small molecules in personal care products.	Chen, Jiangang; Ahn, Ki Chang; Gee, Nancy A; Gee, Shirley J; Hammock, Bruce D; Lasley, Bill L	Toxicol Appl Pharmacol (2007 Jun 15)	221 / 278-84	PubMed Citation
Antibacterial colorants: characterization of prodiginines and their applications on textile material.	Alihosseini, Farzaneh; Ju, Kou-San; Lango, Jozsef; Hammock, Bruce D; Sun, Gang	Biotechnol Prog (2008 May-Jun)	24 / 742-7	PubMed Citation
Application of an enzyme immunoassay for urinary follicle-stimulating hormone to describe the effect of anabolic steroid use.	Todd, H E; Shideler, S E; Laughlin, L S; Overstreet, J W; Pohl, C R; Byrd, W; Lasley, B L	Am J Primatol (1999)	48 / 135-51	PubMed Citation
Application of an enzyme-linked immunosorbent assay (ELISA) to determine deltamethrin residues in milk.	Lee, H J; Watanabe, T; Gee, S J; Hammock, B D	Bull Environ Contam Toxicol (2003 Jul)	71 / 14-20	PubMed Citation
Application of an enzyme-linked immunosorbent assay for the analysis of paraquat in human exposure samples.	Koivunen, M E; Gee, S J; Park, E-K; Lee, K; Schenker, M B; Hammock, B D	Arch Environ Contam Toxicol (2005 Feb)	48 / 184-90	PubMed Citation
Application of ELISA techniques to metabolic disposition studies for 1,3-dinitrobenzene: comparison with LC/MS/MS.	Miller, M G; McEuen, S F; Nasiri, M; Eck, D L; Kurth, M J	Chem Res Toxicol (1991 May-Jun)	4 / 324-9	PubMed Citation

Application of europium(III) chelate-dyed nanoparticle labels in a competitive atrazine fluoroimmuno ...	Cummins, C M; Koivunen, M E; Stephanian, A; Gee, S J; Hammock, B D; Kennedy, I M	Biosens Bioelectron (2006 Jan 15)	21 / 1077-85	PubMed Citation
Application of high-density DNA microarray to study smoke- and hydrogen peroxide-induced injury and ...	Yoneda, Ken; Chang, Mary Mann-Jong; Chmiel, Ken; Chen, Yin; Wu, Reen	J Am Soc Nephrol (2003 Aug)	14 / S284-9	PubMed Citation
Application of luminescent Eu:Gd2O3 nanoparticles to the visualization of protein micropatterns.	Dosev, Dosi; Nichkova, Mikaela; Liu, Maozi; Guo, Bing; Liu, Gang-Yu; Hammock, Bruce D; Kennedy, Ian M	J Biomed Opt (2005 Nov-Dec)	10 / 064006	PubMed Citation
Application of real-time PCR to study effects of ammonium on population size of ammonia-oxidizing ba ...	Okano, Yutaka; Hristova, Krassimira R; Leutenegger, Christian M; Jackson, Louise E; Denison, R Ford; Gebreyesus, Binyam; Lebauer, David; Scow, Kate M	Appl Environ Microbiol (2004 Feb)	70 / 1008-16	PubMed Citation
Application of the bootstrap to calibration experiments.	Jones, G; Worthberg, M; Kreissig, S B; Hammock, B D; Rocke, D M	Anal Chem (1996 Mar 1)	68 / 763-70	PubMed Citation
Application of the luciferase cell culture bioassay for the detection of refined petroleum products.	Ziccardi, Michael H; Gardner, Ian A; Mazet, Jonna A K; Denison, Michael S	Mar Pollut Bull (2002 Oct)	44 / 983-91	PubMed Citation
Application of the luciferase recombinant cell culture bioassay system for the analysis of polycycli ...	Ziccardi, Michael H; Gardner, Ian A; Denison, Michael S	Environ Toxicol Chem (2002 Oct)	21 / 2027-33	PubMed Citation
Approximate variance-stabilizing transformations for gene-expression microarray data.	Rocke, David M; Durbin, Blythe	Bioinformatics (2003 May 22)	19 / 966-72	PubMed Citation
Approximation of a radial diffusion model with a multiple-rate model for hetero-disperse particle mi ...	Massoudieh, Arash; Ju, Daeyoung; Young, Thomas M; Ginn, Timothy R	J Contam Hydrol (2008 Apr 4)	97 / 55-66	PubMed Citation
Architectural pattern, tissue and cellular morphology in livers of fishes: relationship to experimen ...	Hinton, D E; Couch, J A	EXS (1998)	86 / 141-64	PubMed Citation
Arsenic removal from water using flame-synthesized iron oxide nanoparticles with variable oxidation ...	Abid, Aamir D; Kanematsu, Masakazu; Young, Thomas M; Kennedy, Ian M	Aerosol Sci Technol (2013 Feb 1)	47 / 169-176	PubMed Citation
Arsenite and insulin exhibit opposing effects on epidermal growth factor receptor and keratinocyte p ...	Patterson, Timothy J; Rice, Robert H	Toxicol Appl Pharmacol (2007 May 15)	221 / 119-28	PubMed Citation
Arsenite maintains germinative state in cultured human epidermal cells.	Patterson, Timothy J; Reznikova, Tatiana V; Phillips, Marjorie A; Rice, Robert H	Toxicol Appl Pharmacol (2005 Aug 22)	207 / 69-77	PubMed Citation
Arsenite suppresses Notch1 signaling in human keratinocytes.	Reznikova, Tatiana V; Phillips, Marjorie A; Rice, Robert H	J Invest Dermatol (2009 Jan)	129 / 155-61	PubMed Citation
Arsenite suppression of BMP signaling in human keratinocytes.	Phillips, Marjorie A; Qin, Qin; Hu, Qin; Zhao, Bin; Rice, Robert H	Toxicol Appl Pharmacol (2013 Jun 15)	269 / 290-6	PubMed Citation
Arsenite suppression of involucrin transcription through AP1 promoter sites in cultured human kerati ...	Sinitsyna, Nadezda N; Reznikova, Tatiana V; Qin, Qin; Song, Hyukhwan; Phillips, Marjorie A; Rice, Robert H	Toxicol Appl Pharmacol (2010 Mar 15)	243 / 275-82	PubMed Citation
Aryl hydrocarbon receptor antagonists promote the expansion of human hematopoietic stem cells.	Boitano, Anthony E; Wang, Jian; Romeo, Russell; Bouchez, Laure C; Parker, Albert E; Sutton, Sue E; Walker, John R; Flavenvy, Colin A; Perdew, Gary H; Denison, Michael S; Schultz, Peter G; Cooke, Michael P	Science (2010 Sep 10)	329 / 1345-8	PubMed Citation
Assessing individual metabolic responsiveness to a lipid challenge using a targeted metabolomic appr ...	Zivkovic, Angela M; Wiest, Michelle M; Nguyen, Uyenthao; Nording, Malin L; Watkins, Steven M; German, J Bruce	Metabolomics (2009)	5 / 209-218	PubMed Citation

Assessing indoor air exposures using passive sampling with bioanalytical methods for estrogenicity a ...	Kennedy, Karen; Macova, Miroslava; Leusch, Frederic; Bartkow, Michael E; Hawker, Darryl W; Zhao, Bin; Denison, Michael S; Mueller, Jochen F	Anal Bioanal Chem (2009 Jul)	394 / 1413-21	PubMed Citation
Assessing probe-specific dye and slide biases in two-color microarray data.	Lu, Ruixiao; Lee, Geun-Cheol; Shultz, Michael; Dardick, Chris; Jung, Kihong; Phetsom, Jirapa; Jia, Yi; Rice, Robert H; Goldberg, Zelanna; Schnable, Patrick S; Ronald, Pamela; Rocke, David M	BMC Bioinformatics (2008 Jul 19)	9 / 314	PubMed Citation
Assessment of azinphosmethyl exposure in California peach harvest workers.	McCurdy, S A; Hansen, M E; Weisskopf, C P; Lopez, R L; Schneider, F; Spencer, J; Sanborn, J R; Krieger, R I; Wilson, B W; Goldsmith, D F	Arch Environ Health (1994 Jul-Aug)	49 / 289-96	PubMed Citation
Assessment of dioxin-like soil contamination in Mexico by enzyme-linked immunosorbent assay.	Garcia-Nieto, E; Nichkova, M; Yanez, L; Costilla-Salazar, R; Torres-Dosal, A; Gee, S J; Hammock, B D; Juarez-Santacruz, L; Diaz-Barriga, F	Arch Environ Contam Toxicol (2010 May)	58 / 918-26	PubMed Citation
Assessment of estrogenic activity in PM air samples with the ERE-CALUX bioassay: Method optimizati ...	Croes, Kim; Debaillie, Pieterjan; Van den Bril, Bo; Staelens, Jeroen; Vandermarken, Tara; Van Langenhove, Kersten; Denison, Michael S; Leermakers, Martine; Elsken, Marc	Chemosphere (2016 Feb)	144 / 392-8	PubMed Citation
ATR-FTIR spectroscopic evidence for biomolecular phosphorus and carboxyl groups facilitating bacteri ...	Parikh, Sanjai J; Mukome, Fungai N D; Zhang, Xiaoming	Colloids Surf B Biointerfaces (2014 Jul 1)	119 / 38-46	PubMed Citation
Attenuation of cisplatin nephrotoxicity by inhibition of soluble epoxide hydrolase.	Parrish, Alan R; Chen, Gang; Burghardt, Robert C; Watanabe, Takaho; Morisseau, Christophe; Hammock, Bruce D	Cell Biol Toxicol (2009 Jun)	25 / 217-25	PubMed Citation
Attenuation of tobacco smoke-induced lung inflammation by treatment with a soluble epoxide hydrolase ...	Smith, Kevin R; Pinkerton, Kent E; Watanabe, Takaho; Pedersen, Theresa L; Ma, Seung Jin; Hammock, Bruce D	Proc Natl Acad Sci U S A (2005 Feb 8)	102 / 2186-91	PubMed Citation
Attenuation of vascular smooth muscle cell proliferation by 1-cyclohexyl-3-dodecyl urea is independe ...	Davis, Benjamin B; Morisseau, Christophe; Newman, John W; Pedersen, Theresa L; Hammock, Bruce D; Weiss, Robert H	J Pharmacol Exp Ther (2006 Feb)	316 / 815-21	PubMed Citation
Attomole level protein sequencing by Edman degradation coupled with accelerator mass spectrometry.	Miyashita, M; Presley, J M; Buchholz, B A; Lam, K S; Lee, Y M; Vogel, J S; Hammock, B D	Proc Natl Acad Sci U S A (2001 Apr 10)	98 / 4403-8	PubMed Citation
Autism and urinary exogenous neuropeptides: development of an on-line SPE-HPLC-tandem mass spectrome ...	Dettmer, K; Hanna, D; Whetstone, P; Hansen, R; Hammock, B D	Anal Bioanal Chem (2007 Aug)	388 / 1643-51	PubMed Citation
Autoantibody response to microsomal epoxide hydrolase in hepatitis C and A.	Akatsuka, Toshitaka; Kobayashi, Nobuharu; Ishikawa, Takashi; Saito, Takafumi; Shindo, Michiko; Yamauchi, Masayoshi; Kurokohchi, Kazutaka; Miyazawa, Hitoshi; Duan, Hongying; Matsunaga, Toshiyuki; Komoda, Tsugikazu; Morisseau, Christophe; Hammock, Bruce D	J Autoimmun (2007 Feb)	28 / 7-18	PubMed Citation
Automated analysis of toxicant-induced changes in rat sperm head morphometry.	Davis, R O; Gravance, C G; Thal, D M; Miller, M G	Reprod Toxicol (1994 Nov-Dec)	8 / 521-9	PubMed Citation
Baseline correction for NMR spectroscopic metabolomics data analysis.	Xi, Yuanxin; Rocke, David M	BMC Bioinformatics (2008 Jul 29)	9 / 324	PubMed Citation
Behavioral assessment of NIH Swiss mice acutely intoxicated with tetramethylenedisulfotetramine.	Flannery, Brenna M; Silverman, Jill L; Bruun, Donald A; Puhger, Kyle R; McCoy, Mark R; Hammock, Bruce D; Crawley, Jacqueline N; Lein, Pamela J	Neurotoxicol Teratol (2015 Jan-Feb)	47 / 36-45	PubMed Citation

Beneficial effects of soluble epoxide hydrolase inhibitors in myocardial infarction model: Insight g ...	Li, Ning; Liu, Jun-Yan; Timofeyev, Valeriy; Qiu, Hong; Hwang, Sung Hee; Tuteja, Dipika; Dec, Hideki; Low, Reginald; Hammock, Bruce D; Chiamvimonvat, Nipavan	J Mol Cell Cardiol (2009 Dec)	47 / 835-45	PubMed Citation
Binding of alkylurea inhibitors to epoxide hydrolase implicates active site tyrosines in substrate a ...	Argiriadi, M A; Morisseau, C; Goodrow, M H; Dowdy, D L; Hammock, B D; Christianson, D W	J Biol Chem (2000 May 19)	275 / 15265-70	PubMed Citation
Bioaccumulation and behavioral effects of 2,2',4,4'-tetrabromodiphenyl ether (BDE-47) in perinatally ...	Ta, Tram Anh; Koenig, Claire M; Golub, Mari S; Pessah, Isaac N; Qi, Lihong; Aronov, Pavel A; Berman, Robert F	Neurotoxicol Teratol (2011 May-Jun)	33 / 393-404	PubMed Citation
Bioactivation of leukotoxins to their toxic diols by epoxide hydrolase.	Moghaddam, M F; Grant, D F; Cheek, J M; Greene, J F; Williamson, K C; Hammock, B D	Nat Med (1997 May)	3 / 562-6	PubMed Citation
Bioactivation of the pulmonary toxicants naphthalene and 1-nitronaphthalene by rat CYP2F4.	Baldwin, R Michael; Shultz, Michael A; Buckpitt, Alan R	J Pharmacol Exp Ther (2005 Feb)	312 / 857-65	PubMed Citation
Bioactive lipid profiling reveals drug target engagement of a soluble epoxide hydrolase inhibitor in ...	Nording, Malin L; Yang, Jun; Hoang, Laura; Zamora, Vanessa; Uyeminami, Dale; Espiritu, Imelda; Pinkerton, Kent E; Hammock, Bruce D; Luria, Ayala	J Metabolomics (2015 Apr)	1 /	PubMed Citation
Biochemical and histochemical properties of hepatic tumors of rainbow trout, <i>Oncorhynchus mykiss</i> .	Parker, L M; Lauren, D J; Hammock, B D; Winder, B; Hinton, D E	Carcinogenesis (1993 Feb)	14 / 211-7	PubMed Citation
Biochemical characterization of a variant form of cytosolic epoxide hydrolase induced by parental ex ...	Nourooz-Zadeh, J; Winder, B S; Dietze, E C; Giometti, C S; Tollaksen, S L; Hammock, B D	Comp Biochem Physiol C (1992 Sep)	103 / 207-14	PubMed Citation
Biochemical evidence for the involvement of tyrosine in epoxide activation during the catalytic cycl ...	Yamada, T; Morisseau, C; Maxwell, J E; Argiriadi, M A; Christianson, D W; Hammock, B D	J Biol Chem (2000 Jul 28)	275 / 23082-8	PubMed Citation
Biochemical factors important in Clara cell selective toxicity in the lung.	Cho, M; Chichester, C; Plopper, C; Buckpitt, A	Drug Metab Rev (1995)	27 / 369-86	PubMed Citation
Bioconcentration, metabolism and excretion of triclocarban in larval Quirt medaka (<i>Oryzias latipes</i>).	Schebb, Nils Helge; Flores, Ida; Kurobe, Tomofumi; Franze, Bastian; Ranganathan, Anupama; Hammock, Bruce D; Teh, Swee J	Aquat Toxicol (2011 Oct)	105 / 448-54	PubMed Citation
Biodegradation of methyl tert-butyl ether by a bacterial pure culture.	Hanson, J R; Ackerman, C E; Scow, K M	Appl Environ Microbiol (1999 Nov)	65 / 4788-92	PubMed Citation
Biodegradation of sorbed chemicals in soil.	Scow, K M; Fan, S; Johnson, C; Ma, G M	Environ Health Perspect (1995 Jun)	103 Suppl 5 / 93-5	PubMed Citation
Biodegradation of trichloroethylene and toluene by indigenous microbial populations in soil.	Fan, S; Scow, K M	Appl Environ Microbiol (1993 Jun)	59 / 1911-8	PubMed Citation
Biological activity of inorganic arsenic and antimony reflects oxidation state in cultured human ker ...	Patterson, Timothy J; Ngo, Mai; Aronov, Pavel A; Reznikova, Tatiana V; Green, Peter G; Rice, Robert H	Chem Res Toxicol (2003 Dec)	16 / 1624-31	PubMed Citation
Biological basis of in vitro tests of sperm function.	Katz, D F; Andrew, J B; Overstreet, J W	Prog Clin Biol Res (1989)	302 / 95-103; discussion 104-6	PubMed Citation
Biological dose response to PM2.5: effect of particle extraction method on platelet and lung respons ...	Van Winkle, Laura S; Bein, Keith; Anderson, Donald; Pinkerton, Kent E; Tablin, Fern; Wilson, Dennis; Wexler, Anthony S	Toxicol Sci (2015 Feb)	143 / 349-59	PubMed Citation

Biological evaluation of a novel sorafenib analogue, t-CUPM.	Wecksler, Aaron T; Hwang, Sung Hee; Liu, Jun-Yan; Wettersten, Hiromi I; Morisseau, Christophe; Wu, Jian; Weiss, Robert H; Hammock, Bruce D	Cancer Chemother Pharmacol (2015 Jan)	75 / 161-71	PubMed Citation
Biologically active ester derivatives as potent inhibitors of the soluble epoxide hydrolase.	Kim, In-Hae; Nishi, Kosuke; Kasagami, Takeo; Morisseau, Christophe; Liu, Jun-Yan; Tsai, Hsing-Ju; Hammock, Bruce D	Bioorg Med Chem Lett (2012 Sep 15)	22 / 5889-92	PubMed Citation
Biomarkers for assessing human female reproductive health, an interdisciplinary approach.	Lasley, B L; Overstreet, J W	Environ Health Perspect (1998 Aug)	106 Suppl 4 / 955-60	PubMed Citation
Biomarkers of exposure to triclocarban in urine and serum.	Ye, Xiaoyun; Zhou, Xiaoliu; Furr, Johnathan; Ahn, Ki Chang; Hammock, Bruce D; Gray, Earl L; Calafat, Antonia M	Toxicology (2011 Aug 15)	286 / 69-74	PubMed Citation
Bone density and cyclic ovarian function in trained runners and active controls.	Winters, K M; Adams, W C; Meredith, C N; Loan, M D; Lasley, B L	Med Sci Sports Exerc (1996 Jul)	28 / 776-85	PubMed Citation
Bone resorption is affected by follicular phase length in female rotating shift workers.	Lohstroh, Pete N; Chen, Jiangang; Ba, Jianming; Ryan, Louise M; Xu, Xiping; Overstreet, James W; Lasley, Bill L	Environ Health Perspect (2003 Apr)	111 / 618-22	PubMed Citation
Bovine milk as a source of functional oligosaccharides for improving human health.	Zivkovic, Angela M; Barile, Daniela	Adv Nutr (2011 May)	2 / 284-9	PubMed Citation
Bromodichloromethane inhibits human placental trophoblast differentiation.	Chen, Jiangang; Thirkill, Twanda L; Lohstroh, Peter N; Bielmeier, Susan R; Narotsky, Michael G; Best, Deborah S; Harrison, Randy A; Natarajan, Kala; Pegram, Rex A; Overstreet, James W; Lasley, Bill L; Douglas, Gordon C	Toxicol Sci (2004 Mar)	78 / 166-74	PubMed Citation
Building the bridges to bioinformatics in nutrition research.	Lemay, Danielle G; Zivkovic, Angela M; German, J Bruce	Am J Clin Nutr (2007 Nov)	86 / 1261-9	PubMed Citation
Ca2+ influx via the Na+/Ca2+ exchanger is enhanced in malignant hyperthermia skeletal muscle.	Altamirano, Francisco; Eltit, José M; Robin, Gaëlle; Linares, Nancy; Ding, Xudong; Pessah, Isaac N; Allen, Paul D; López, José R	J Biol Chem (2014 Jul 04)	289 / 19180-90	PubMed Citation
Carbaryl, a carbamate insecticide, is a ligand for the hepatic Ah (dioxin) receptor.	Denison, M S; Phelan, D; Winter, G M; Ziccardi, M H	Toxicol Appl Pharmacol (1998 Oct)	152 / 406-14	PubMed Citation
Carbon turnover in the water-soluble protein of the adult human lens.	Stewart, Daniel N; Lango, Jozsef; Nambiar, Krishnan P; Falso, Miranda J S; FitzGerald, Paul G; Rocke, David M; Hammock, Bruce D; Buchholz, Bruce A	Mol Vis (2013)	19 / 463-75	PubMed Citation
Cardiac-generated prostanoids mediate cardiac myocyte apoptosis after myocardial ischaemia.	Qiu, Hong; Liu, Jun-Yan; Wei, Dongguang; Li, Ning; Yamoah, Ebenezer N; Hammock, Bruce D; Chiamvimonvat, Nipavan	Cardiovasc Res (2012 Aug 1)	95 / 336-45	PubMed Citation
Cardioprotection by controlling hyperamylinemia in a "humanized" diabetic rat model.	Despa, Sanda; Sharma, Savita; Harris, Todd R; Dong, Hua; Li, Ning; Chiamvimonvat, Nipavan; Taegtmeyer, Heinrich; Margulies, Kenneth B; Hammock, Bruce D; Despa, Florin	J Am Heart Assoc (2014 Aug)	3 /	PubMed Citation
Cellular and metabolic basis of Clara cell tolerance to multiple doses of cytochrome P450-activated ...	Lakritz, J; Chang, A; Weir, A; Nishio, S; Hyde, D; Philpot, R; Buckpitt, A; Plopper, C	J Pharmacol Exp Ther (1996 Sep)	278 / 1408-18	PubMed Citation
Cellular changes that accompany shedding of human corneocytes.	Lin, Tzu-Kai; Crumrine, Debra; Ackerman, Larry D; Santiago, Juan-Luis; Roelandt, Truuus; Uchida, Yoshikazu; Hupe, Melanie; Fabrias, Gemma; Abad, Jose L; Rice, Robert H; Elias, Peter M	J Invest Dermatol (2012 Oct)	132 / 2430-9	PubMed Citation

Cellular response in naphthalene-induced Clara cell injury and bronchiolar epithelial repair in mice ...	Van Winkle, L S; Buckpitt, A R; Nishio, S J; Isaac, J M; Plopper, C G	Am J Physiol	269 / L800-18	PubMed Citation
CH223191 is a ligand-selective antagonist of the Ah (Dioxin) receptor.	Zhao, Bin; Degroot, Danica E; Hayashi, Ai; He, Guochun; Denison, Michael S	Toxicol Sci	117 / 393-403	PubMed Citation
Changes in PTGS1 and ALOX12 Gene Expression in Peripheral Blood Mononuclear Cells Are Associated wit ...	Berthelot, Claire C; Kamita, Shizuo George; Sacchi, Romina; Yang, Jun; Nording, Malin L; Georgi, Katrin; Hegedus Karbowski, Christine; German, J Bruce; Weiss, Robert H; Hogg, Ronald J; Hammock, Bruce D; Zivkovic, Angela M	PLoS One	10 / e0144996	PubMed Citation
Changes in soil microbial community structure following the abandonment of agricultural terraces in ...	Zornoza, R; Guerrero, C; Mataix-Solera, J; Scow, K M; Arcenegui, V; Mataix-Beneyto, J	Applied soil ecology : a section of Agriculture, Ecosystems & Environment	42 / 315-323	PubMed Citation
Channelopathies: summary of the hot topic keynotes session.	Magby, Jason P; Neal, April P; Atchison, William D; Pessah, Isaac P; Shafer, Timothy J	Neurotoxicology	32 / 661-5	PubMed Citation
Characterization and cDNA cloning of a clofibrate-inducible microsomal epoxide hydrolase in Drosophi ...	Tanai, Kiyoko; Inceoglu, Ahmet B; Yukihiko, Kenji; Hammock, Bruce D	Eur J Biochem	270 / 4696-705	PubMed Citation
Characterization and potential environmental risks of leachate from shredded rubber mulches.	Kanematsu, Masakazu; Hayashi, Ai; Denison, Michael S; Young, Thomas M	Chemosphere	76 / 952-8	PubMed Citation
Characterization of a novel methanol dehydrogenase in representatives of Burkholderiales: implicatio ...	Kalyuzhnaya, Marina G; Hristova, Krassimira R; Lidstrom, Mary E; Chistoserdova, Ludmila	J Bacteriol	190 / 3817-23	PubMed Citation
Characterization of a structurally intact in situ lung model and comparison of naphthalene protein a ...	Lin, Ching Yu; Isbell, Margaret A; Morin, Dexter; Boland, Bridget C; Salemi, Michelle R; Jewell, William T; Weir, Alison J; Fanucchi, Michelle V; Baker, Gregory L; Plopper, Charles G; Buckpitt, Alan R	Chem Res Toxicol	18 / 802-13	PubMed Citation
Characterization of Hovi-mEH1, a microsomal epoxide hydrolase from the glassy-winged sharpshooter Ho ...	Kamita, Shizuo G; Oshita, Grant H; Wang, Peng; Morrisseau, Christophe; Hammock, Bruce D; Nandety, Raja Sekhar; Falk, Bryce W	Arch Insect Biochem Physiol	83 / 171-9	PubMed Citation
Characterization of human chorionic gonadotropin in normal and abnormal pregnancies.	Ho, H H; O'Connor, J F; Nakajima, S T; Tieu, J; Overstreet, J W; Lasley, B L	Early Pregnancy	3 / 213-24	PubMed Citation
Characterization of human chorionic gonadotropin peptide variants with a radio-receptor assay using ...	Ho, H H; O'Connor, J F; Overstreet, J W; Lasley, B L	Early Pregnancy	3 / 204-12	PubMed Citation
Characterization of model peptide adducts with reactive metabolites of naphthalene by mass spectrome ...	Pham, Nathalie T; Jewell, William T; Morin, Dexter; Jones, A Daniel; Buckpitt, Alan R	PLoS One	7 / e42053	PubMed Citation
Characterization of pyrethroid hydrolysis by the human liver carboxylesterases hCE-1 and hCE-2.	Nishi, Kosuke; Huang, Huazhang; Kamita, Shizuo G; Kim, In-Hae; Morrisseau, Christophe; Hammock, Bruce D	Arch Biochem Biophys	445 / 115-23	PubMed Citation
Characterization of seizures induced by acute and repeated exposure to tetramethylenedisulfotetramin ...	Zolkowska, Dorota; Banks, Christopher N; Dhir, Ashish; Inceoglu, Bora; Sanborn, James R; McCoy, Mark R; Bruun, Donald A; Hammock, Bruce D; Lein, Pamela J; Rogawski, Michael A	J Pharmacol Exp Ther	341 / 435-46	PubMed Citation
Chemical contamination and the annual summer die-off of striped bass (<i>Morone saxatilis</i>) in the Sacra ...	Cashman, J R; Maltby, D A; Nishioka, R S; Bern, H A; Gee, S J; Hammock, B D	Chem Res Toxicol	5 / 100-5	PubMed Citation

Chemically activated luciferase gene expression (CALUX) cell bioassay analysis for the estimation of ...	Windal, Isabelle; Denison, Michael S; Birnbaum, Linda S; Van Wouwe, Nathalie; Baeyens, Willy; Goeyens, Leo	Environ Sci Technol (2005 Oct 1)	39 / 7357-64	PubMed Citation
Chemicals having estrogenic activity can be released from some bisphenol A-free, hard and clear, the ...	Bittner, George D; Denison, Michael S; Yang, Chun Z; Stoner, Matthew A; He, Guochun	Environ Health (2014)	13 / 103	PubMed Citation
Chicken corneocyte cross-linked proteome.	Rice, Robert H; Winters, Brett R; Durbin-Johnson, Blythe P; Rocke, David M	J Proteome Res (2013 Feb 1)	12 / 771-6	PubMed Citation
Circulating bioactive androgens in midlife women.	Chen, Jiangang; Sowers, MaryFran R; Moran, Francisco M; McConnell, Daniel S; Gee, Nancy A; Greendale, Gail A; Whitehead, Cheryl; Kasim-Karakas, Sidika E; Lasley, Bill L	J Clin Endocrinol Metab (2006 Nov)	91 / 4387-94	PubMed Citation
Classification of adverse reproductive effects can be improved by measurements of multiple biomarker ...	Lasley, B L; Gold, E B; Nakajima, S T; Stewart, D R; Overstreet, J W	J Toxicol Environ Health (1993 Oct-Nov)	40 / 423-33	PubMed Citation
Clinical approach to male reproductive problems.	Overstreet, J W	Occup Med (1994 Jul-Sep)	9 / 387-404	PubMed Citation
Clofibrate-induced changes in the liver, heart, brain and white adipose lipid metabolome of Swiss-We ...	Wheelock, Craig E; Goto, Susumu; Hammock, Bruce D; Newman, John W	Metabolomics (2007 Jun)	3 / 137-145	PubMed Citation
Cloning and characterization of a microsomal epoxide hydrolase from <i>Heliothis virescens</i> .	Kamita, Shizuo G; Yamamoto, Kohji; Dadala, Mary M; Pha, Khavong; Morrisseau, Christophe; Escaich, Aurelie; Hammock, Bruce D	Insect Biochem Mol Biol (2013 Mar)	43 / 219-28	PubMed Citation
Cloning and characterization of an inhibitor of apoptosis protein (IAP) from <i>Bombyx mori</i> .	Huang, Q; Deveraux, Q L; Maeda, S; Stennicke, H R; Hammock, B D; Reed, J C	Biochim Biophys Acta (2001 Jan 15)	1499 / 191-8	PubMed Citation
Cloning, sequencing and expression of the Fab fragment of a monoclonal antibody to the herbicide atr ...	Ward, V K; Schneider, P G; Kreissig, S B; Hammock, B D; Choudary, P V	Protein Eng (1993 Nov)	6 / 981-8	PubMed Citation
Combined inhibition of 20-hydroxyeicosatetraenoic acid formation and of epoxyeicosatrienoic acids de ...	Certíková Chábová, Vera; Walkowska, Agnieszka; Kompanowska-Jezierska, Elzbieta; Sadowski, Janusz; Kujal, Petr; Vernerová, Zdenka; Vanourková, Zdena; Kopkan, Libor; Kramer, Herbert J; Falck, John R; Imig, John D; Hammock, Bruce D; Vanecková, Ivana; Cervenka, Ludek	Clin Sci (Lond) (2010 Feb 23)	118 / 617-32	PubMed Citation
Combustion derived ultrafine particles induce cytochrome P-450 expression in specific lung compartme ...	Chan, Jackie K W; Vogel, Christoph F; Baek, Jaeeun; Kodani, Sean D; Uppal, Ravi S; Bein, Keith J; Anderson, Donald S; Van Winkle, Laura S	Am J Physiol Lung Cell Mol Physiol (2013 May 15)	304 / L665-77	PubMed Citation
Combustion-derived flame generated ultrafine soot generates reactive oxygen species and activates Nr ...	Chan, Jackie K W; Charrier, Jessica G; Kodani, Sean D; Vogel, Christoph F; Kado, Sarah Y; Anderson, Donald S; Anastasio, Cort; Van Winkle, Laura S	Part Fibre Toxicol (2013)	10 / 34	PubMed Citation
Common commercial and consumer products contain activators of the aryl hydrocarbon (dioxin) receptor ...	Zhao, Bin; Bohonowych, Jessica E S; Timme-Laragy, Alicia; Jung, Dawoon; Affatato, Alessandra A; Rice, Robert H; Di Giulio, Richard T; Denison, Michael S	PLoS One (2013)	8 / e56860	PubMed Citation
Comparative analysis of homology models of the AH receptor ligand binding domain: verification of st ...	Fraccalvieri, Domenico; Soshilov, Anatoly A; Karchner, Sibel I; Franks, Diana G; Pandini, Alessandro; Bonati, Laura; Hahn, Mark E; Denison, Michael S	Biochemistry (2013 Jan 29)	52 / 714-25	PubMed Citation

Comparative efficacy of 3 soluble epoxide hydrolase inhibitors in rat neuropathic and inflammatory pain ...	Wagner, Karen; Inceoglu, Bora; Dong, Hua; Yang, Jun; Hwang, Sung Hee; Jones, Paul; Morisseau, Christophe; Hammock, Bruce D	Eur J Pharmacol	700 / 93-101	PubMed Citation
Comparative studies on the effects of green tea extracts and individual tea catechins on human CYP1A ...	Williams, S N; Shih, H; Guenette, D K; Brackney, W; Denison, M S; Pickwell, G V; Quattrochi, L C	Chem Biol Interact	128 / 211-29	PubMed Citation
Comparative transcriptome analysis of <i>Methylibium petroleiphilum</i> PM1 exposed to the fuel oxygenates ...	Hristova, Krassimira R; Schmidt, Radomir; Chakicherla, Anu Y; Legler, Tina C; Wu, Janice; Chain, Patrick S; Scow, Kate M; Kane, Staci R	Appl Environ Microbiol	73 / 7347-57	PubMed Citation
Comparing linear free energy relationships for organic chemicals in soils: effects of soil and solut ...	Faria, Isabel R; Young, Thomas M	Environ Sci Technol	44 / 6971-7	PubMed Citation
Comparison of an enzyme-linked immunosorbent assay and a gas chromatographic procedure for the determination of ...	Li, Q X; Gee, S J; McChesney, M M; Hammock, B D; Seiber, J N	Anal Chem	61 / 819-23	PubMed Citation
Comparison of biostimulation versus bioaugmentation with bacterial strain PM1 for treatment of ground water contaminated with ...	Smith, Amanda E; Hristova, Krassimira; Wood, Isaac; Mackay, Doug M; Lory, Ernie; Lorenzana, Dale; Scow, Kate M	Environ Health Perspect	113 / 317-22	PubMed Citation
Comparison of chorionic gonadotropin expression in human and macaque (<i>Macaca fascicularis</i>) trophoblasts ...	Wilken, Jason A; Matsumoto, Kikuko; Laughlin, Lisa S; Lasley, Bill L; Bedows, Elliott	Am J Primatol	56 / 89-97	PubMed Citation
Comparison of free serum oxylipin concentrations in hyper- vs. normolipidemic men.	Schuchardt, Jan Philipp; Schmidt, Simone; Kressel, Gaby; Dong, Hua; Willenberg, Ina; Hammock, Bruce D; Hahn, Andreas; Schebb, Nils Helge	Prostaglandins Leukot Essent Fatty Acids	89 / 19-29	PubMed Citation
Comparison of gene coverage of mouse oligonucleotide microarray platforms.	Verdugo, Ricardo A; Medrano, Juan F	BMC Genomics	7 / 58	PubMed Citation
Comparison of pulmonary/nasal CYP2F expression levels in rodents and rhesus macaque.	Baldwin, R Michael; Jewell, William T; Fanucchi, Michelle V; Plopper, Charles G; Buckpitt, Alan R	J Pharmacol Exp Ther	309 / 127-36	PubMed Citation
Comparison of recombinant cell bioassays for the detection of Ah receptor agonists.	Han, Dalho; Nagy, Scott R; Denison, Michael S	Biofactors	20 / 11-22	PubMed Citation
Comparison of the effects of long-chain omega-3 fatty acid supplementation on plasma levels of free ...	Schebb, Nils Helge; Ostermann, Annika I; Yang, Jun; Hammock, Bruce D; Hahn, Andreas; Schuchardt, Jan Philipp	Prostaglandins Other Lipid Mediat	113-115 / 21-9	PubMed Citation
Compensatory mechanism for homeostatic blood pressure regulation in <i>Ephx2</i> gene-disrupted mice.	Luria, Ayala; Weldon, Steven M; Kabbenell, Alisa K; Ingraham, Richard H; Matera, Damian; Jiang, Huiping; Gill, Rajan; Morisseau, Christophe; Newman, John W; Hammock, Bruce D	J Biol Chem	282 / 2891-8	PubMed Citation
Compensatory proteome adjustments imply tissue-specific structural and metabolic reorganization following ...	Dowd, W Wesley; Renshaw, Gillian M C; Cech Jr, Joseph J; Kültz, Dietmar	Physiol Genomics	42 / 93-114	PubMed Citation
Competitive and noncompetitive phage immunoassays for the determination of benzothiostrobin.	Hua, Xiude; Zhou, Liangliang; Feng, Lu; Ding, Yuan; Shi, Haiyan; Wang, Limin; Gee, Shirley J; Hammock, Bruce D; Wang, Minghua	Anal Chim Acta	890 / 150-6	PubMed Citation
Competitive immunochromatographic assay for the detection of the organophosphorus pesticide chlorpyrifos.	Kim, Young Ah; Lee, Eun-Hye; Kim, Kwang-Ok; Lee, Yong Tae; Hammock, Bruce D; Lee, Hye-Sung	Anal Chim Acta	693 / 106-13	PubMed Citation
Competitive quenching fluorescence immunoassay for chlorophenols based on laser-induced fluorescence ...	Nichkova, Mikaela; Feng, Jun; Sanchez-Baeza, Francisco; Marco, M Pilar; Hammock, Bruce D; Kennedy, Ian M	Anal Chem	75 / 83-90	PubMed Citation

Competitive selection from single domain antibody libraries allows isolation of high-affinity antiha ...	Tabares-da Rosa, Sofia; Rossotti, Martin; Carleiza, Carmen; Carrón, Federico; Pritsch, Otto; Ahn, Ki Chang; Last, Jerold A; Hammock, Bruce D; González-Sapienza, Gualberto	Anal Chem (2011 Sep 15)	83 / 7213-20	PubMed Citation
Computer-aided drug design guided by hydrogen/deuterium exchange mass spectrometry: A powerful combi ...	Mouchlis, Varnavas D; Morisseau, Christophe; Hammock, Bruce D; Li, Sheng; McCammon, J Andrew; Dennis, Edward A	Bioorg Med Chem (2016 Oct 15)	24 / 4801-4811	PubMed Citation
Concentrations of the urinary pyrethroid metabolite 3-phenoxybenzoic acid in farm worker families in ...	Trunnelle, Kelly J; Bennett, Deborah H; Ahn, Ki Chang; Schenker, Marc B; Tancredi, Daniel J; Gee, Shirley J; Stoecklin-Marois, Maria T; Hammock, Bruce D	Environ Res (2014 May)	131 / 153-9	PubMed Citation
Conformation-dependent stability of junctophilin 1 (JP1) and ryanodine receptor type 1 (RyR1) channe ...	Phimister, Andrew J; Lango, Jozsef; Lee, Eun Hui; Ernst-Russell, Michael A; Takeshima, Hiroshi; Ma, Jianjie; Allen, Paul D; Pessah, Isaac N	J Biol Chem (2007 Mar 23)	282 / 8667-77	PubMed Citation
Congener-based Aroclor quantification and speciation techniques: a comparison of the strengths, weak ...	Sather, Paula J; Newman, John W; Ikonomou, Michael G	Environ Sci Technol (2003 Dec 15)	37 / 5678-86	PubMed Citation
Considerations for potency equivalent calculations in the Ah receptor-based CALUX bioassay: normaliz ...	Baston, David S; Denison, Michael S	Talanta (2011 Feb 15)	83 / 1415-21	PubMed Citation
Constitutive and inducible stress proteins dominate the proteome of the murine inner medullary colle ...	Valkova, Nelly; Kültz, Dietmar	Biochim Biophys Acta (2006 Jun)	1764 / 1007-20	PubMed Citation
Contaminant and food limitation stress in an endangered estuarine fish.	Hammock, Bruce G; Hobbs, James A; Slater, Steven B; Acuña, Shawn; Teh, Swee J	Sci Total Environ (2015 Nov 1)	532 / 316-26	PubMed Citation
Continuous droplet removal upon dropwise condensation of humid air on a hydrophobic micropatterned s ...	Zamuruyev, Konstantin O; Bardawel, Hamzeh K; Carron, Christopher J; Kenyon, Nicholas J; Brand, Oliver; Delplanque, Jean-Pierre; Davis, Cristina E	Langmuir (2014 Aug 26)	30 / 10133-42	PubMed Citation
Contribution of ovarian steroid production to urinary estrone conjugate concentrations in Macaca mul ...	Shideler, S E; Gee, N A; Chen, J; Laughlin, L S; Rapp, P R; Morrison, J H; Roberts, J A; Moran, F M; Lasley, B L	Am J Primatol (2003 Nov)	61 / 111-21	PubMed Citation
Controlling proteome degradation in Daphnia pulex.	Kemp, Catherine Jarrett; Kultz, Dietmar	J Exp Zool A Ecol Genet Physiol (2012 Dec)	317 / 645-51	PubMed Citation
Coordinated regulation of murine cardiomyocyte contractility by nanomolar (-)-epigallocatechin-3-gal ...	Feng, Wei; Hwang, Hyun Seok; Kryshťal, Dmytro O; Yang, Tao; Padilla, Isela T; Tiwary, Asheesh K; Puschner, Birgit; Pessah, Isaac N; Knollmann, Bjorn C	Mol Pharmacol (2012 Nov)	82 / 993-1000	PubMed Citation
Copper (II) complexation in northern California rice field waters: an investigation using differenti ...	Witter, A E; Mabury, S A; Jones, A D	Sci Total Environ (1998 Mar 5)	212 / 21-37	PubMed Citation
Corncob bedding alters the effects of estrogens on aggressive behavior and reduces estrogen receptor ...	Villalon Landeros, Rosalina; Morisseau, Christophe; Yoo, Hyun Ju; Fu, Samuel H; Hammock, Bruce D; Trainor, Brian C	Endocrinology (2012 Feb)	153 / 949-53	PubMed Citation
Correction to isolation of alpaca antihapten heavy chain single domain antibodies for development of ...	Kim, Hee-Joo; McCoy, Mark R; Majkova, Zuzana; Dechant, Julie E; Gee, Shirley J; Tabares-da Rosa, Sofia; Gonzalez-Sapienza, Gualberto G; Hammock, Bruce D	Anal Chem (2012 Aug 7)	84 / 6919	PubMed Citation

Correction to Phage-Displayed Peptide That Mimics Aflatoxins and Its Application in Immunoassay.	Wang, Yanru; Wang, Hong; Li, Peiwu; Zhang, Qi; Kim, Hee Joo; Gee, Shirley J; Hammock, Bruce D	J Agric Food Chem (2013 Apr 15)	/	PubMed Citation
Covalent interactions of reactive naphthalene metabolites with proteins.	Cho, M; Chichester, C; Morin, D; Plopper, C; Buckpitt, A	J Pharmacol Exp Ther (1994 May)	269 / 881-9	PubMed Citation
Creatinine measurements in 24 h urine by liquid chromatography--tandem Mass Spectrometry.	Park, Eun-Kee; Watanabe, Takaho; Gee, Shirley J; Schenker, Marc B; Hammock, Bruce D	J Agric Food Chem (2008 Jan 23)	56 / 333-6	PubMed Citation
Cress and potato soluble epoxide hydrolases: purification, biochemical characterization, and compari ...	Morrisseau, C; Beetham, J K; Pinot, F; Debernard, S; Newman, J W; Hammock, B D	Arch Biochem Biophys (2000 Jun 15)	378 / 321-32	PubMed Citation
Crisp1 and alopecia areata in C3H/HeJ mice.	Sundberg, John P; Awgulewitsch, Alexander; Pruitt, Nathan D; Potter, Christopher S; Silva, Kathleen A; Stearns, Timothy M; Sundberg, Beth A; Muñoz, Mariana Weigel; Cuasnicu, Patricia S; King Jr, Lloyd E; Rice, Robert H	Exp Mol Pathol (2014 Dec)	97 / 525-8	PubMed Citation
Cross-linked envelopes in nail plate in lamellar ichthyosis.	Rice, R H; Crumrine, D; Hohl, D; Munro, C S; Elias, P M	Br J Dermatol (2003 Nov)	149 / 1050-4	PubMed Citation
Cuticle cell defects in lamellar ichthyosis hair and anomalous hair shaft syndromes visualized after ...	Rice, R H; Wong, V J; Price, V H; Hohl, D; Pinkerton, K E	Anat Rec (1996 Dec)	246 / 433-40	PubMed Citation
Cyclin D1 downregulation is important for permanent cell cycle exit and initiation of differentiatio ...	Nishi, Kayoko; Inoue, Hirokazu; Schnier, Joachim B; Rice, Robert H	J Cell Biochem (2009 Jan 1)	106 / 63-72	PubMed Citation
Cytochrome P450 epoxygenase gene function in hypoxic pulmonary vasoconstriction and pulmonary vascul ...	Pokreisz, Peter; Fleming, Ingrid; Kiss, Ladislau; Barbosa-Sicard, Eduardo; Fisslthaler, Beate; Falck, John R; Hammock, Bruce D; Kim, In-Hae; Szeliid, Zsolt; Vermeersch, Pieter; Gillijns, Hilde; Pellens, Marijke; Grimminger, Friedrich; van Zonneveld, Anton-Jan; Collen, Desire; Busse, Rudi; Janssens, Stefan	Hypertension (2006 Apr)	47 / 762-70	PubMed Citation
Cytochrome p450 mRNA expression in the rodent brain: species-, sex-, and region-dependent difference ...	Stamou, Marianna; Wu, Xianai; Kania-Korwel, Izabela; Lehmler, Hans-Joachim; Lein, Pamela J	Drug Metab Dispos (2014 Feb)	42 / 239-44	PubMed Citation
Cytochrome P450 Oxidase 2C Inhibition Adds to ω-3 Long-Chain Polyunsaturated Fatty Acids Protection ...	Gong, Yan; Fu, Zhongjie; Edin, Matthew L; Liu, Chi-Hsiu; Wang, Zhongxiao; Shao, Zhuo; Fredrick, Thomas W; Saba, Nicholas J; Morss, Peyton C; Burnim, Samuel B; Meng, Steven S; Lih, Fred B; Lee, Kin Sing Stephen; Moran, Elizabeth P; SanGiovanni, John Paul; Hellström, Ann; Hammock, Bruce D; Zeldin, Darryl C; Smith, Lois E H	Arterioscler Thromb Vasc Biol (2016 Sep)	36 / 1919-27	PubMed Citation
Cytochrome p450-dependent lipid metabolism in preovulatory follicles.	Newman, J W; Stok, J E; Vidal, J D; Corbin, C J; Huang, Q; Hammock, B D; Conley, A J	Endocrinology (2004 Nov)	145 / 5097-105	PubMed Citation
Cytotoxicity of 1,2-epoxynaphthalene is correlated with protein binding and <i>in situ</i> glutathione depl ...	Greene, J F; Zheng, J; Grant, D F; Hammock, B D	Toxicol Sci (2000 Feb)	53 / 352-60	PubMed Citation
Daily immunoactive and bioactive human chorionic gonadotropin profiles in perimplantation urine sam ...	Lohstroh, Pete; Dong, Hongxing; Chen, Jiangang; Gee, Nancy; Xu, Xiping; Lasley, Bill	Biol Reprod (2006 Jul)	75 / 24-33	PubMed Citation
Dehydroepiandrosterone sulfate levels reflect endogenous luteinizing hormone production and response ...	Moran, Francisco M; Chen, Jiangang; Gee, Nancy A; Lohstroh, Pete N; Lasley, Bill L	Menopause (2013 Mar)	20 / 329-35	PubMed Citation

Denitrification and nitric oxide reduction in an aerobic toluene-treating biofilter.	du Plessis, C A; Kinney, K A; Schroeder, E D; Chang, D P; Scow, K M	Biotechnol Bioeng (1998 May 20)	58 / 408-15	PubMed Citation
Derivation and osmotolerance characterization of three immortalized tilapia (<i>Oreochromis mossambicus</i> ...	Gardell, Alison M; Qin, Qin; Rice, Robert H; Li, Johnathan; Kültz, Dietmar	PLoS One (2014)	9 / e95919	PubMed Citation
Derivation and reliability of kinematic measures of sperm motion.	Davis, R O; Siemers, R J	Reprod Fertil Dev (1995)	7 / 857-69	PubMed Citation
Design and analysis of experiments with high throughput biological assay data.	Rocke, David M	Semin Cell Dev Biol (2004 Dec)	15 / 703-13	PubMed Citation
Design and performance of a dynamic gas flux chamber.	Reichman, Rivka; Rolston, Dennis E	J Environ Qual (2002 Nov-Dec)	31 / 1774-81	PubMed Citation
Design of bioavailable derivatives of 12-(3-adamantan-1-yl-ureido)dodecanoic acid, a potent inhibitor ...	Kim, In-Hae; Nishi, Kosuke; Tsai, Hsing-Ju; Bradford, Tanya; Koda, Yasuko; Watanabe, Takaho; Morisseau, Christophe; Blanchfield, Joanne; Toth, Istvan; Hammock, Bruce D	Bioorg Med Chem (2007 Jan 1)	15 / 312-23	PubMed Citation
Design, synthesis, and biological activity of 1,3-disubstituted ureas as potent inhibitors of the so ...	Kim, In-Hae; Morisseau, Christophe; Watanabe, Takaho; Hammock, Bruce D	J Med Chem (2004 Apr 8)	47 / 2110-22	PubMed Citation
Desorption of pyrethroids from suspended solids.	Fojut, Tessa L; Young, Thomas M	Environ Toxicol Chem (2011 Aug)	30 / 1760-6	PubMed Citation
Detecting glycan cancer biomarkers in serum samples using MALDI FT-ICR mass spectrometry data.	Barkauskas, Donald A; An, Hyun Joo; Kronewitter, Scott R; de Leoz, Maria Lorna; Chew, Helen K; de Vere White, Ralph W; Leiserowitz, Gary S; Miyamoto, Suzanne; Lebrilla, Carlito B; Rocke, David M	Bioinformatics (2009 Jan 15)	25 / 251-7	PubMed Citation
Detecting Single Bacterial Cells through Optical Resonances in Microdroplets.	Tanyeri, Melikhan; Kennedy, Ian M	Sens Lett (2008 Apr)	6 / 326-329	PubMed Citation
Detection and quantification of methyl tert-butyl ether-degrading strain PM1 by real-time TaqMan PCR ...	Hristova, K R; Lutenegger, C M; Scow, K M	Appl Environ Microbiol (2001 Nov)	67 / 5154-60	PubMed Citation
Detection of the Antimicrobial Triclosan in Environmental Samples by Immunoassay.	Ahn, Ki Chang; Ranganathan, Anupama; Bever, Candace S; Hwang, Sung Hee; Holland, Erika B; Morisseau, Kevin; Pessah, Isaac N; Hammock, Bruce D; Gee, Shirley J	Environ Sci Technol (2016 Apr 05)	50 / 3754-61	PubMed Citation
Detection of xenoestrogens in serum after immunoprecipitation of endogenous steroidal estrogens.	Natarajan, Kala; Overstreet, James W; Rogers, Jane M; Denison, Michael S; Chen, Jiangang; Lohstroh, Peter N; McConnell, Daniel S; Lasley, Bill L	Environ Health Perspect (2002 Aug)	110 / 791-5	PubMed Citation
Determination of atrazine metabolites in human urine: development of a biomarker of exposure.	Lucas, A D; Jones, A D; Goodrow, M H; Saiz, S G; Blewett, C; Seiber, J N; Hammock, B D	Chem Res Toxicol (1993 Jan-Feb)	6 / 107-16	PubMed Citation
Determination of cytotoxicity of nephrotoxins on murine and human kidney cell lines.	Park, Eun-Kee; Mak, Sally K; Kultz, Dietmar; Hammock, Bruce D	J Environ Sci Health B (2008 Jan)	43 / 71-4	PubMed Citation
Determination of in vitro relative potency (REP) values for mono-ortho polychlorinated biphenyls aft ...	Peters, A K; Leonards, P E; Zhao, B; Bergman, A; Denison, M S; Van den Berg, M	Toxicol Lett (2006 Sep 10)	165 / 230-41	PubMed Citation
Determination of PCDD/Fs, PBDD/Fs and dioxin-like PCBs in human milk from mothers residing in the ru ...	Croes, K; Colles, A; Koppen, G; De Galan, S; Vandermarken, T; Govarts, E; Bruckers, L; Nelen, V; Schoeters, G; Van Larebeke, N; Denison, M S; Mampaey, M; Baeyens, W	Talanta (2013 Sep 15)	113 / 99-105	PubMed Citation

Determination of pyrethroid residues in agricultural products by an enzyme-linked immunosorbent assay ...	Park, Eun-Kee; Kim, Jung-Hyun; Gee, Shirley J; Watanabe, Takaho; Ahn, Ki Chang; Hammock, Bruce D	J Agric Food Chem (2004 Sep 8)	52 / 5572-6	PubMed Citation
Determination of the pyrethroid insecticide metabolite 3-PBA in plasma and urine samples from farmer ...	Thiphom, Sarunya; Prapamontol, Tippawan; Chantara, Somporn; Mangklabruks, Ampica; Suphavilai, Chaisuree; Ahn, Ki Chang; Gee, Shirley J; Hammock, Bruce D	J Environ Sci Health B (2014)	49 / 15-22	PubMed Citation
Determination of volatile and semivolatile mutagens in air using solid absorbents and supercritical ...	Wong, J M; Kado, N Y; Kuzmicky, P A; Ning, H S; Woodrow, J E; Hsieh, D P; Seiber, J N	Anal Chem (1991 Aug 1)	63 / 1644-50	PubMed Citation
Development and modification of a recombinant cell bioassay to directly detect halogenated and polyc ...	Ziccardi, M H; Gardner, I A; Denison, M S	Toxicol Sci (2000 Mar)	54 / 183-93	PubMed Citation
Development and utilization of camelid VHH antibodies from alpaca for 2,2',4,4'-tetrabrominated diph ...	Bever, Candace R S; Majkova, Zuzana; Radhakrishnan, Rajeswaran; Suni, Ian; McCoy, Mark; Wang, Yanru; Dechant, Julie; Gee, Shirley; Hammock, Bruce D	Anal Chem (2014 Aug 5)	86 / 7875-82	PubMed Citation
Development of a class-selective enzyme-linked immunosorbent assay for mercapturic acids in human ur ...	Lohse, C; Jaeger, L L; Staimer, N; Sanborn, J R; Jones, A D; Lango, J; Gee, S J; Hammock, B D	J Agric Food Chem (2000 Dec)	48 / 5913-23	PubMed Citation
Development of a green fluorescent protein-based cell bioassay for the rapid and inexpensive detecti ...	Nagy, Scott R; Sanborn, James R; Hammock, Bruce D; Denison, Michael S	Toxicol Sci (2002 Feb)	65 / 200-10	PubMed Citation
Development of a heterologous enzyme-linked immunosorbent assay for organophosphorus pesticides with ...	Hua, Xiude; Liu, Xiaofeng; Shi, Haiyan; Wang, Yanru; Kim, Hee Joo; Gee, Shirley J; Wang, Minghua; Liu, Fengquan; Hammock, Bruce D	RSC Adv (2014 Jan 1)	4 / 42445-42453	PubMed Citation
Development of a high-throughput screen for soluble epoxide hydrolase inhibition.	Wolf, Nicola M; Morisseau, Christophe; Jones, Paul D; Hock, Bertold; Hammock, Bruce D	Anal Biochem (2006 Aug 1)	355 / 71-80	PubMed Citation
Development of a highly sensitive enzyme-linked immunosorbent assay based on polyclonal antibodies f ...	Sugawara, Y; Gee, S J; Sanborn, J R; Gilman, S D; Hammock, B D	Anal Chem (1998 Mar 15)	70 / 1092-9	PubMed Citation
Development of a HPLC/tandem-MS method for the analysis of the larvicides methoprene, hydroprene, an ...	Aronov, Pavel A; Dettmer, Katja; Christiansen, Julie A; Cornel, Anthony J; Hammock, Bruce D	J Agric Food Chem (2005 May 4)	53 / 3306-12	PubMed Citation
Development of a nanobody-alkaline phosphatase fusion protein and its application in a highly sensit ...	Liu, Xing; Xu, Yang; Wan, De-bin; Xiong, Yong-hua; He, Zhen-yun; Wang, Xian-xian; Gee, Shirley J; Ryu, Dojin; Hammock, Bruce D	Anal Chem (2015 Jan 20)	87 / 1387-94	PubMed Citation
Development of a noncompetitive phage anti-immunocomplex assay for brominated diphenyl ether 47.	Kim, Hee-Joo; Rossotti, Martin A; Ahn, Ki Chang; Gonzalez-Sapienza, Gualberto G; Gee, Shirley J; Musker, Ruthie; Hammock, Bruce D	Anal Biochem (2010 Jun 1)	401 / 38-46	PubMed Citation
Development of a recombinant human ovarian (BG1) cell line containing estrogen receptor α and β for ...	Brennan, Jennifer C; Bassal, Arzoo; He, Guochun; Denison, Michael S	Environ Toxicol Chem (2016 Jan)	35 / 91-100	PubMed Citation
Development of a sensitive enzyme immunoassay for the detection of phenyl-beta-D-thioglucuronide in ...	Staimer, N; Gee, S J; Hammock, B D	Fresenius J Anal Chem (2001 Feb)	369 / 273-9	PubMed Citation
Development of an ELISA for the detection of the residues of the insecticide imidacloprid in agricul ...	Lee, J K; Ahn, K C; Park, O S; Kang, S Y; Hammock, B D	J Agric Food Chem (2001 May)	49 / 2159-67	PubMed Citation
Development of an enzyme-linked immunosorbent assay for atrazine mercapturic acid in human urine.	Jaeger, L L; Jones, A D; Hammock, B D	Chem Res Toxicol (1998 Apr)	11 / 342-52	PubMed Citation

Development of an enzyme-linked immunosorbent assay for the detection of the organophosphorus insect ...	Lee, Jae Koo; Ahn, Ki Chang; Stoutamire, Donald W; Gee, Shirley J; Hammock, Bruce D	J Agric Food Chem (2003 Jun 18)	51 / 3695-703	PubMed Citation
Development of an enzyme-linked immunosorbent assay for the organophosphorus insecticide bromophos-e ...	Kim, Kwang-Ok; Kim, Yoo Jung; Lee, Yong Tae; Hammock, Bruce D; Lee, Hye-Sung	J Agric Food Chem (2002 Nov 6)	50 / 6675-82	PubMed Citation
Development of an HTS assay for EPHX2 phosphatase activity and screening of nontargeted libraries.	Morrisseau, Christophe; Sahdeo, Sunil; Cortopassi, Gino; Hammock, Bruce D	Anal Biochem (2013 Mar 1)	434 / 105-11	PubMed Citation
Development of an Immunoassay for the Detection of the Phenylpyrazole Insecticide Fipronil.	Vasylieva, Natalia; Ahn, Ki Chang; Barnych, Bogdan; Gee, Shirley J; Hammock, Bruce D	Environ Sci Technol (2015 Aug 18)	49 / 10038-47	PubMed Citation
Development of an immunoassay for the pyrethroid insecticide esfenvalerate.	Shan, G; Stoutamire, D W; Wengatz, I; Gee, S J; Hammock, B D	J Agric Food Chem (1999 May)	47 / 2145-55	PubMed Citation
Development of an in situ toxicity assay system using recombinant baculoviruses.	Grant, D F; Greene, J F; Pinot, F; Borhan, B; Moghaddam, M F; Hammock, B D; McCutchen, B; Ohkawa, H; Luo, G; Guenthner, T M	Biochem Pharmacol (1996 Feb 23)	51 / 503-15	PubMed Citation
Development of an online SPE-LC-MS-based assay using endogenous substrate for investigation of solub ...	Schebb, Nils Helge; Huby, Marion; Morrisseau, Christophe; Hwang, Sung Hee; Hammock, Bruce D	Anal Bioanal Chem (2011 May)	400 / 1359-66	PubMed Citation
Development of an ultra fast online-solid phase extraction (SPE) liquid chromatography electrospray ...	Schebb, Nils Helge; Inceoglu, Bora; Rose, Tristan; Wagner, Karen; Hammock, Bruce D	Anal Methods (2011 Jan 1)	3 / 420-428	PubMed Citation
Development of dioxin toxicity evaluation method in human milk by enzyme-linked immunosorbent assay- ...	Sugawara, Yukio; Saito, Koichi; Ogawa, Masahiko; Kobayashi, Susumu; Shan, Guomin; Sanborn, James R; Hammock, Bruce D; Nakazawa, Hiroyuki; Matsuki, Yasuhiko	Chemosphere (2002 Mar)	46 / 1471-6	PubMed Citation
Development of enantioselective polyclonal antibodies to detect styrene oxide protein adducts.	Shen, Shuijie; Zhang, Fan; Zeng, Su; Tian, Ye; Chai, Xiaojuan; Gee, Shirley; Hammock, Bruce D; Zheng, Jiang	Anal Chem (2009 Apr 1)	81 / 2668-77	PubMed Citation
Development of fluorescent substrates for microsomal epoxide hydrolase and application to inhibition ...	Morrisseau, Christophe; Bernay, Maud; Escaich, Aurelie; Sanborn, James R; Lango, Jozsef; Hammock, Bruce D	Anal Biochem (2011 Jul 1)	414 / 154-62	PubMed Citation
Development of highly sensitive fluorescent assays for fatty acid amide hydrolase.	Huang, Huazhang; Nishi, Kosuke; Tsai, Hsing-Ju; Hammock, Bruce D	Anal Biochem (2007 Apr 1)	363 / 12-21	PubMed Citation
Development of metabolically stable inhibitors of Mammalian microsomal epoxide hydrolase.	Morrisseau, Christophe; Newman, John W; Wheelock, Craig E; Hill Iii, Thomas; Morin, Dexter; Buckpitt, Alan R; Hammock, Bruce D	Chem Res Toxicol (2008 Apr)	21 / 951-7	PubMed Citation
Development of optically pure pyrethroid-like fluorescent substrates for carboxylesterases.	Huang, Huazhang; Stok, Jeanette E; Stoutamire, Donald W; Gee, Shirley J; Hammock, Bruce D	Chem Res Toxicol (2005 Mar)	18 / 516-27	PubMed Citation
Development of phage immuno-loop-mediated isothermal amplification assays for organophosphorus pesti ...	Hua, Xiude; Yin, Wei; Shi, Haiyan; Li, Ming; Wang, Yanru; Wang, Hong; Ye, Yonghao; Kim, Hee Joo; Gee, Shirley J; Wang, Minghua; Liu, Fengquan; Hammock, Bruce D	Anal Chem (2014 Aug 19)	86 / 8441-7	PubMed Citation
Development of phase II xenobiotic metabolizing enzymes in differentiating murine clara cells.	Fanucchi, M V; Buckpitt, A R; Murphy, M E; Storms, D H; Hammock, B D; Plopper, C G	Toxicol Appl Pharmacol (2000 Nov 1)	168 / 253-67	PubMed Citation
Development of polyclonal antibodies for detection of protein modification by 1,2-naphthoquinone.	Zheng, J; Hammock, B D	Chem Res Toxicol (1996 Jul-Aug)	9 / 904-9	PubMed Citation

Development of polyclonal antibodies for the detection of styrene oxide modified proteins.	Yuan, Wei; Chung, Jouku; Gee, Shirley; Hammock, Bruce D; Zheng, Jiang	Chem Res Toxicol (2007 Feb)	20 / 316-21	PubMed Citation
Development of pyrethroid-like fluorescent substrates for glutathione S-transferase.	Huang, Huazhang; Yao, Hongwei; Liu, Jun-Yan; Samra, Aman I; Kamita, Shizuo G; Cornel, Anthony J; Hammock, Bruce D	Anal Biochem (2012 Dec 15)	431 / 77-83	PubMed Citation
Development of rapid mercury assays. Synthesis of sulfur- and mercury-containing conjugates.	Szurdoki, F; Kido, H; Hammock, B D	Bioconjug Chem (1995 Mar-Apr)	6 / 145-9	PubMed Citation
Development of sensitive esterase assays based on alpha-cyano-containing esters.	Shan, G; Hammock, B D	Anal Biochem (2001 Dec 1)	299 / 54-62	PubMed Citation
Development of sensitive immunoassays for the detection of the glucuronide conjugate of 3-phenoxyben ...	Kim, Hee-Joo; Ahn, Ki Chang; Ma, Seung Jin; Gee, Shirley J; Hammock, Bruce D	J Agric Food Chem (2007 May 16)	55 / 3750-7	PubMed Citation
Development of Species-Specific Ah Receptor-Responsive Third Generation CALUX Cell Lines with Enhanc ...	Brennan, Jennifer C; He, Guochun; Tsutsumi, Tomoaki; Zhao, Jing; Wirth, Edward; Fulton, Michael H; Denison, Michael S	Environ Sci Technol (2015 Oct 6)	49 / 11903-12	PubMed Citation
Development of toxicity identification evaluation procedures for pyrethroid detection using esterase ...	Wheelock, Craig E; Miller, Jeff L; Miller, Mike J; Gee, Shirley J; Shan, Guomin; Hammock, Bruce D	Environ Toxicol Chem (2004 Nov)	23 / 2699-708	PubMed Citation
Development, validation and application of a chemiluminescent immunoassay for the measurement of cir ...	Lohstroh, Pete; Laughlin, Lisa; Gee, Nancy; Lasley, Bill	J Med Primatol (2007 Jun)	36 / 164-9	PubMed Citation
Diclofenac induces proteasome and mitochondrial dysfunction in murine cardiomyocytes and hearts.	Ghosh, Rajeshwary; Goswami, Sumanta K; Feitoza, Luis Felipe B B; Hammock, Bruce; Gomes, Aldrin V	Int J Cardiol (2016 Nov 15)	223 / 923-935	PubMed Citation
Dietary intake of polyunsaturated fatty acids among breast-feeding and non-breast-feeding 24- to 48- ...	Yakes, Elizabeth A; Arsenault, Joanne E; Islam, M Munirul; Ahmed, Tahmeed; German, J Bruce; Drake, Christiana; Hossain, Mohammad B; Lewis, Bess L; Rahman, Ahmed Shafiqur; Jamil, Kazi M; Brown, Kenneth H	J Pediatr Gastroenterol Nutr (2011 Mar)	52 / 351-9	PubMed Citation
Dietary omega-3 fatty acids aid in the modulation of inflammation and metabolic health.	Zivkovic, Angela M; Telis, Natalie; German, J Bruce; Hammock, Bruce D	Calif Agric (Berkeley) (2011 7)	65 / 106-111	PubMed Citation
Dietary red clover (<i>Trifolium pratense</i>) induces oviduct growth and decreases ovary and testes growth ...	Rochester, Johanna R; Klasing, Kirk C; Stevenson, Lindsay; Denison, Michael S; Berry, Wallace; Millam, James R	Reprod Toxicol (2009 Jan)	27 / 63-71	PubMed Citation
Differences in hormonal characteristics of conceptional versus nonconceptional menstrual cycles.	Li, H; Nakajima, S T; Chen, J; Todd, H E; Overstreet, J W; Lasley, B L	Fertil Steril (2001 Mar)	75 / 549-53	PubMed Citation
Different mechanisms of acute versus long-term antihypertensive effects of soluble epoxide hydrolase ...	Sporková, Alexandra; Jíchová, Sárka; Husková, Zuzana; Kopkan, Libor; Nishiyama, Akira; Hwang, Sung H; Hammock, Bruce D; Imig, John D; Kompanowska-Jezierska, Elzbieta; Sadowski, Janusz; Kramer, Herbert J; Cervenka, Luděk	Clin Exp Pharmacol Physiol (2014 Dec)	41 / 1003-13	PubMed Citation
Differential induction of hepatic drug-metabolizing enzymes by fenvaprofen acid in male rats.	Morrisseau, C; Derbel, M; Lane, T R; Stoutamire, D; Hammock, B D	Toxicol Sci (1999 Dec)	52 / 148-53	PubMed Citation
Differential subcellular localization of endogenous and transfected soluble epoxide hydrolase in mam ...	Mullen, R T; Trelease, R N; Duerk, H; Arand, M; Hammock, B D; Oesch, F; Grant, D F	FEBS Lett (1999 Feb 26)	445 / 301-5	PubMed Citation

Differentiating inbred mouse strains from each other and those with single gene mutations using hair ...	Rice, Robert H; Bradshaw, Katie M; Durbin-Johnson, Blythe P; Rocke, David M; Eigenheer, Richard A; Phinney, Brett S; Sundberg, John P	PLoS One (2012)	7 / e51956	PubMed Citation
Dihydroxyoctadecamonoenoate esters inhibit the neutrophil respiratory burst.	Thompson, David Alan; Hammock, Bruce D	J Biosci (2007 Mar)	32 / 279-91	PubMed Citation
Dimension reduction for classification with gene expression microarray data.	Dai, Jian J; Lieu, Linh; Rocke, David	Stat Appl Genet Mol Biol (2006)	5 / Article6	PubMed Citation
Dioxin analysis in water by using a passive sampler and CALUX bioassay.	Addeck, Amr; Croes, Kim; Van Langenhove, Kersten; Denison, Michael; Elskens, Marc; Baeyens, Willy	Talanta (2012 Jan 15)	88 / 73-8	PubMed Citation
Direct characterization of protein adducts of the lipid peroxidation product 4-hydroxy-2-nonenal usi ...	Bruenner, B A; Jones, A D; German, J B	Chem Res Toxicol (1995 Jun)	8 / 552-9	PubMed Citation
Direct Ionic Regulation of the Activity of Myo-Inositol Biosynthesis Enzymes in Mozambique Tilapia.	Villarreal, Fernando D; Kültz, Dietmar	PLoS One (2015)	10 / e0123212	PubMed Citation
Discrimination models using variance-stabilizing transformation of metabolomic NMR data.	Purohit, Parul V; Rocke, David M; Viant, Mark R; Woodruff, David L	OMICS (2004)	8 / 118-30	PubMed Citation
Dissociation of relaxin and progesterone secretion from the primate corpus luteum by acute administr ...	Duffy, D M; Stouffer, R L; Stewart, D R	Biol Reprod (1995 Aug)	53 / 447-53	PubMed Citation
Distinguishing ichthyoses by protein profiling.	Rice, Robert H; Bradshaw, Katie M; Durbin-Johnson, Blythe P; Rocke, David M; Eigenheer, Richard A; Phinney, Brett S; Schmuth, Matthias; Gruber, Robert	PLoS One (2013)	8 / e75355	PubMed Citation
Distinguishing mouse strains by proteomic analysis of pelage hair.	Rice, Robert H; Rocke, David M; Tsai, Hua-Sheng; Silva, Kathleen A; Lee, Young Jin; Sundberg, John P	J Invest Dermatol (2009 Sep)	129 / 2120-5	PubMed Citation
Distribution of pyrethroid insecticides in secondary wastewater effluent.	Parry, Emily; Young, Thomas M	Environ Toxicol Chem (2013 Dec)	32 / 2686-94	PubMed Citation
Divergent responses of ras-transfected and non-ras-transfected human keratinocytes to extracellular ...	Shi, B; Isseroff, R R	Biochem Cell Biol (2000)	78 / 469-76	PubMed Citation
Diverse roles of 2-arachidonoylglycerol in invasion of prostate carcinoma cells: Location, hydrolysi ...	Endsley, Michael P; Aggarwal, Nitin; Isbell, Marilyn A; Wheelock, Craig E; Hammock, Bruce D; Falck, John R; Campbell, William B; Nithipatikom, Kasem	Int J Cancer (2007 Sep 1)	121 / 984-91	PubMed Citation
Diversity, composition, and geographical distribution of microbial communities in California salt ma ...	Cordova-Kreylos, Ana Lucia; Cao, Yiping; Green, Peter G; Hwang, Hyun-Min; Kuivila, Kathryn M; Lamontagne, Michael G; Van De Werfhorst, Laurie C; Holden, Patricia A; Scow, Kate M	Appl Environ Microbiol (2006 May)	72 / 3357-66	PubMed Citation
Dose-related airway-selective epithelial toxicity of 1-nitronaphthalene in rats.	Paige, R; Wong, V; Plopper, C	Toxicol Appl Pharmacol (1997 Dec)	147 / 224-33	PubMed Citation
Dual inhibition of cyclooxygenase-2 and soluble epoxide hydrolase synergistically suppresses primary ...	Zhang, Guodong; Panigrahy, Dipak; Hwang, Sung Hee; Yang, Jun; Mahakian, Lisa M; Wettersten, Hiromi I; Liu, Jun-Yan; Wang, Yanru; Ingham, Elizabeth S; Tam, Sarah; Kieran, Mark W; Weiss, Robert H; Ferrara, Katherine W; Hammock, Bruce D	Proc Natl Acad Sci U S A (2014 Jul 29)	111 / 11127-32	PubMed Citation

Dynamic gene expression changes precede dioxin-induced liver pathogenesis in medaka fish.	Volz, David C; Hinton, David E; Law, J McHugh; Kullman, Seth W	Toxicol Sci (2006 Feb)	89 / 524-34	PubMed Citation
Dysregulation of soluble epoxide hydrolase and lipidomic profiles in anorexia nervosa.	Shih, P B; Yang, J; Morisseau, C; German, J B; Zeeland, A A Scott-Van, Armando, A M; Quehenberger, O; Bergen, A W; Magistretti, P; Berrettini, W; Halmi, K A; Schork, N; Hammock, B D; Kaye, W	Mol Psychiatry (2016 Apr)	21 / 537-46	PubMed Citation
Early events in naphthalene-induced acute Clara cell toxicity. II. Comparison of glutathione depleti ...	Plopper, C G; Van Winkle, L S; Fanucchi, M V; Malburg, S R; Nishio, S J; Chang, A; Buckpitt, A R	Am J Respir Cell Mol Biol (2001 Mar)	24 / 272-81	PubMed Citation
Early events in naphthalene-induced acute Clara cell toxicity: comparison of membrane permeability a ...	Van Winkle, L S; Johnson, Z A; Nishio, S J; Brown, C D; Plopper, C G	Am J Respir Cell Mol Biol (1999 Jul)	21 / 44-53	PubMed Citation
Early mitochondrial abnormalities in hippocampal neurons cultured from Fmr1 pre-mutation mouse model ...	Kaplan, Eitan S; Cao, Zhengyu; Hulsizer, Susan; Tassone, Flora; Berman, Robert F; Hagerman, Paul J; Pessah, Isaac N	J Neurochem (2012 Nov)	123 / 613-21	PubMed Citation
Effect based monitoring of seasonal ambient air exposures in Australia sampled by PUF passive air sa ...	Kennedy, Karen; Macova, Miroslava; Bartkow, Michael E; Hawker, Darryl W; Zhao, Bin; Denison, Michael S; Mueller, Jochen F	Atmospheric pollution research (2010 Jan 1)	1 / 50-58	PubMed Citation
Effect of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) on chorionic gonadotropin secretion by human tr ...	Chen, Jiangang; Thirkill, T L; Overstreet, J W; Lasley, B L; Douglas, G C	Reprod Toxicol (2003 Jan-Feb)	17 / 87-93	PubMed Citation
Effect of bromodichloromethane on chorionic gonadotrophin secretion by human placental trophoblast c ...	Chen, Jiangang; Douglas, Gordon C; Thirkill, Twanda L; Lohstroh, Peter N; Bielmeier, Susan R; Narotsky, Michael G; Best, Deborah S; Harrison, Randy A; Natarajan, Kala; Pegram, Rex A; Overstreet, James W; Lasley, Bill L	Toxicol Sci (2003 Nov)	76 / 75-82	PubMed Citation
Effect of carbon:nitrogen ratio on kinetics of phenol biodegradation by <i>Acinetobacter johnsonii</i> in s ...	Hoyle, B L; Scow, K M; Fogg, G E; Darby, J L	Biodegradation (1995)	6 / 283-93	PubMed Citation
Effect of cerium oxide nanoparticles on inflammation in vascular endothelial cells.	Gojova, Andrea; Lee, Jun-Tae; Jung, Heejung S; Guo, Bing; Barakat, Abdul I; Kennedy, Ian M	Inhal Toxicol (2009 Jul)	21 Suppl 1 / 123-30	PubMed Citation
Effect of different transport observations on inverse modeling results: case study of a long-term gr ...	Rasa, Ehsan; Foglia, Laura; Mackay, Douglas M; Scow, Kate M	Hydrogeol J (2013 Nov)	21 / 1539-1554	PubMed Citation
Effect of ethanol on microbial community structure and function during natural attenuation of benzen ...	Feris, Kevin; Mackay, Doug; de Sieyes, Nick; Chakraborty, Irina; Einarsen, Murray; Hristova, Krassimira; Scow, Kate	Environ Sci Technol (2008 Apr 1)	42 / 2289-94	PubMed Citation
Effect of fish oil on monoepoxides derived from fatty acids during cardiac surgery.	Akintoye, Emmanuel; Wu, Jason H Y; Hou, Tao; Song, Xiaoling; Yang, Jun; Hammock, Bruce; Mozaffarian, Dariush	J Lipid Res (2016 Mar)	57 / 492-8	PubMed Citation
Effect of hepatotoxic doses of paracetamol and carbon tetrachloride on the serum and hepatic carboxy ...	Huang, T L; Villalobos, S A; Hammock, B D	J Pharm Pharmacol (1993 May)	45 / 458-65	PubMed Citation
Effect of ionic liquids on epoxide hydrolase-catalyzed synthesis of chiral 1,2-diols.	Chiappe, Cinzia; Leandri, Elsa; Hammock, Bruce D; Morisseau, Christophe	Green Chem (2007)	2007 / 162-168	PubMed Citation
Effect of nitrate, acetate, and hydrogen on native perchlorate-reducing microbial communities and th ...	Nozawa-Inoue, Mamie; Jien, Mercy; Yang, Kun; Rolston, Dennis E; Hristova, Krassimira R; Scow, Kate M	FEMS Microbiol Ecol (2011 May)	76 / 278-88	PubMed Citation
Effect of nitrogen and phosphorus addition on phenanthrene biodegradation in four soils.	Johnson, C R; Scow, K M	Biodegradation (1999 Feb)	10 / 43-50	PubMed Citation

Effect of pregnancy on the disposition of 2,2',3,5',6-pentachlorobiphenyl (PCB 95) atropisomers and ...	Kania-Korwel, Izabela; Barnhart, Christopher D; Lein, Pamela J; Lehmler, Hans-Joachim	Chem Res Toxicol (2015 Sep 21)	28 / 1774-83	PubMed Citation
Effect of soluble epoxide hydrolase inhibition on epoxyeicosatrienoic acid metabolism in human blood ...	Fang, Xiang; Weintraub, Neal L; McCaw, Ryan B; Hu, Shanning; Harmon, Shawn D; Rice, James B; Hammock, Bruce D; Spector, Arthur A	Am J Physiol Heart Circ Physiol (2004 Dec)	287 / H2412-20	PubMed Citation
Effect of soluble epoxide hydrolase polymorphism on substrate and inhibitor selectivity and dimer fo ...	Morrisseau, Christophe; Wecksler, Aaron T; Deng, Catherine; Dong, Hua; Yang, Jun; Lee, Kin Sing S; Kodani, Sean D; Hammock, Bruce D	J Lipid Res (2014 Jun)	55 / 1131-8	PubMed Citation
Effect of trichloroethylene (TCE) and toluene concentrations on TCE and toluene biodegradation and t ...	Mu, D Y; Scow, K M	Appl Environ Microbiol (1994 Jul)	60 / 2661-5	PubMed Citation
Effects of anthocyanins on the AhR-CYP1A1 signaling pathway in human hepatocytes and human cancer ce ...	Kamenickova, Alzbeta; Anzenbacherova, Eva; Pavek, Petr; Soshilov, Anatoly A; Denison, Michael S; Zapletalova, Michaela; Anzenbacher, Pavel; Dvorak, Zdenek	Toxicol Lett (2013 Jul 31)	221 / 1-8	PubMed Citation
Effects of arbuscular mycorrhizas on ammonia oxidizing bacteria in an organic farm soil.	Cavagnaro, T R; Jackson, L E; Scow, K M; Hristova, K R	Microb Ecol (2007 Nov)	54 / 618-26	PubMed Citation
Effects of ciprofloxacin on salt marsh sediment microbial communities.	Cordova-Kreylos, Ana Lucia; Scow, Kate M	ISME J (2007 Nov)	1 / 585-95	PubMed Citation
Effects of competitor and natural organic matter characteristics on the equilibrium sorption of 1,2- ...	Ju, Daeyoung; Young, Thomas M	Environ Sci Technol (2004 Nov 15)	38 / 5863-70	PubMed Citation
Effects of husbandry practices, gender, and normal physiological variation on growth and reproductio ...	Davis, Corrine R; Okihiro, Mark S; Hinton, David E	Aquat Toxicol (2002 Oct 30)	60 / 185-201	PubMed Citation
Effects of pyridine exposure upon structural lipid metabolism in Swiss Webster mice.	Wheelock, Craig E; Forshed, Jenny; Goto, Susumu; Hammock, Bruce D; Newman, John W	Chem Res Toxicol (2008 Mar)	21 / 583-90	PubMed Citation
Effects of soluble epoxide hydrolase deficiency on acute pancreatitis in mice.	Bettaieb, Ahmed; Chahed, Samah; Tabet, George; Yang, Jun; Morrisseau, Christophe; Griffey, Stephen; Hammock, Bruce D; Haj, Fawaz G	PLoS One (2014)	9 / e113019	PubMed Citation
Effects of the selective EET antagonist, 14,15-EEZE, on cardioprotection produced by exogenous or en ...	Gross, Garrett J; Gauthier, Kathryn M; Moore, Jeannine; Falck, John R; Hammock, Bruce D; Campbell, William B; Nithipatikom, Kasem	Am J Physiol Heart Circ Physiol (2008 Jun)	294 / H2838-44	PubMed Citation
Effects of triclocarban on intact immature male rat: augmentation of androgen action.	Duleba, Antoni J; Ahmed, Mohamed I; Sun, Meng; Gao, Allen C; Villanueva, Jesus; Conley, Alan J; Turgeon, Judith L; Benirschke, Kurt; Gee, Nancy A; Chen, Jiangang; Green, Peter G; Lasley, Bill L	Reprod Sci (2011 Feb)	18 / 119-27	PubMed Citation
Effects of triclosan and biosolids on microbial community composition in an agricultural soil.	Park, Inmyoung; Zhang, Nannan; Ogunyoku, Temitope A; Young, Thomas M; Scow, Kate M	Water Environ Res (2013 Dec)	85 / 2237-42	PubMed Citation
Electrochemistry-mass spectrometry unveils the formation of reactive triclocarban metabolites.	Baumann, A; Lohmann, W; Rose, T; Ahn, K C; Hammock, B D; Karst, U; Schebb, N H	Drug Metab Dispos (2010 Dec)	38 / 2130-8	PubMed Citation
Electrophoretic build-up of multi nanoparticle array for a highly sensitive immunoassay.	Han, Jin-Hee; Kim, Hee-Joo; Sudheendra, L; Hass, Elizabeth A; Gee, Shirley J; Hammock, Bruce D; Kennedy, Ian M	Biosens Bioelectron (2013 Mar 15)	41 / 302-8	PubMed Citation
Elevated airway GSH resynthesis confers protection to Clara cells from naphthalene injury in mice ma ...	West, J A; Buckpitt, A R; Plopper, C G	J Pharmacol Exp Ther (2000 Aug)	294 / 516-23	PubMed Citation

ELISA as an affordable methodology for monitoring groundwater contamination by pesticides in low-income countries	Brena, Beatriz M; Arellano, Lourdes; Rufo, Caterina; Last, Michael S; Montano, Jorge; Egana Cerni, Eduardo; Gonzalez-Sapienza, Gualberto; Last, Jerold A	Environ Sci Technol (2005 Jun 1)	39 / 3896-903	PubMed Citation
ELISA for the measurement of serum and urinary chorionic gonadotropin concentrations in the laboratory monkey	Munro, C J; Laughlin, L S; Illera, J C; Dieter, J; Hendrickx, A G; Lasley, B L	Am J Primatol (1997)	41 / 307-22	PubMed Citation
Enabling MALDI-FTICR-MS/MS for high-performance proteomics through combination of infrared and collisional activation	Dodds, Eric D; German, J Bruce; Lebrilla, Carlito B	Anal Chem (2007 Dec 15)	79 / 9547-56	PubMed Citation
Enantiomeric specificity of (-)-2,2',3,3',6,6'-hexachlorobiphenyl toward ryanodine receptor types 1 and 2	Pessah, Isaac N; Lehmler, Hans-Joachim; Robertson, Larry W; Perez, Claudio F; Cabrales, Elaine; Bose, Diptiman D; Feng, Wei	Chem Res Toxicol (2009 Jan)	22 / 201-7	PubMed Citation
Endocrine biomarkers of early fetal loss in cynomolgus macaques (<i>Macaca fascicularis</i>) following exposure to environmental pollutants	Guo, Y; Hendrickx, A G; Overstreet, J W; Dieter, J; Stewart, D; Tarantal, A F; Laughlin, L; Lasley, B L	Biol Reprod (1999 Mar)	60 / 707-13	PubMed Citation
Endogenous Levels of Five Fatty Acid Metabolites in Exhaled Breath Condensate to Monitor Asthma by High-Throughput Mass Spectrometry	Nording, Malin L; Yang, Jun; Hegedus, Christine M; Bhushan, Abhinav; Kenyon, Nicholas J; Davis, Cristina E; Hammock, Bruce D	IEEE Sens J (2010 Jan 1)	10 / 123-130	PubMed Citation
Endoplasmic reticulum stress in the peripheral nervous system is a significant driver of neuropathic pain	Inceoglu, Bora; Bettaieb, Ahmed; Trindade da Silva, Carlos A; Lee, Kin Sing Stephen; Haj, Fawaz G; Hammock, Bruce D	Proc Natl Acad Sci U S A (2015 Jul 21)	112 / 9082-7	PubMed Citation
Energy-transfer dynamics of high-pressure rovibrationally excited molecular H ₂	Saiki, David J; Cureton-Chinn, Sarah; Kelly, Peter B; Augustine, Matthew P	J Chem Phys (2005 Sep 8)	123 / 104311	PubMed Citation
Enhanced ovarian steroid secretion before implantation in early human pregnancy	Stewart, D R; Overstreet, J W; Nakajima, S T; Lasley, B L	J Clin Endocrinol Metab (1993 Jun)	76 / 1470-6	PubMed Citation
Enhanced postischemic functional recovery in CYP2J2 transgenic hearts involves mitochondrial ATP-sensitive ...	Seubert, John; Yang, Baichun; Bradbury, J Alyce; Graves, Joan; Degraff, Laura M; Gabel, Scott; Gooch, Rebecca; Foley, Julie; Newman, John; Mao, Lan; Rockman, Howard A; Hammock, Bruce D; Murphy, Elizabeth; Zeldin, Darryl C	Circ Res (2004 Sep 3)	95 / 506-14	PubMed Citation
Enhanced response to ozone exposure during the follicular phase of the menstrual cycle	Fox, S D; Adams, W C; Brookes, K A; Lasley, B L	Environ Health Perspect (1993 Aug)	101 / 242-4	PubMed Citation
Enhancement of antinociception by coadministration of nonsteroidal anti-inflammatory drugs and soluble ...	Schmelzer, Kara R; Inceoglu, Bora; Kubala, Lukas; Kim, In-Hae; Jinks, Steven L; Eiserich, Jason P; Hammock, Bruce D	Proc Natl Acad Sci U S A (2006 Sep 12)	103 / 13646-51	PubMed Citation
Enhancement of vitamin D metabolites in the eye following vitamin D ₃ supplementation and UV-B irradiation	Lin, Yanping; Ubels, John L; Schotanus, Mark P; Yin, Zhaohong; Pintea, Victorina; Hammock, Bruce D; Watsky, Mitchell A	Curr Eye Res (2012 Oct)	37 / 871-8	PubMed Citation
Enhancing the response of CALUX and CAFLUX cell bioassays for quantitative detection of dioxin-like compounds	Zhao, Bin; Baston, David S; Khan, Elaine; Sorrentino, Claudio; Denison, Michael S	Sci China Chem (2010 May)	53 / 1010-1016	PubMed Citation
Environmental aging of polycyclic aromatic hydrocarbons on soot and its effect on source identification	Kim, Daekyun; Kumfer, Benjamin M; Anastasio, Cort; Kennedy, Ian M; Young, Thomas M	Chemosphere (2009 Aug)	76 / 1075-81	PubMed Citation
Enzyme immunoassay method for total alpha gonadotropin in human urine samples	Clough, K M; Cole, F X; Seaver, S S; Vesprini, A; Kuo, A Y; Lasley, B L	Fertil Steril (1992 Jun)	57 / 1241-6	PubMed Citation

Enzyme immunoassay method for total urinary follicle-stimulating hormone (FSH) beta subunit and its ...	Qiu, Q; Kuo, A; Todd, H; Dias, J A; Gould, J E; Overstreet, J W; Lasley, B L	Fertil Steril (1998 Feb)	69 / 278-85	PubMed Citation
Enzyme immunoassays for ovarian steroid metabolites in the urine of <i>Macaca fascicularis</i> .	Shideler, S E; Shackleton, C H; Moran, F M; Stauffer, P; Lohstroh, P N; Lasley, B L	J Med Primatol (1993 Jul)	22 / 301-12	PubMed Citation
Enzyme-linked immunosorbent assay detection of pyrrolizidine alkaloids: immunogens based on quaterna ...	Roseman, D M; Wu, X; Kurth, M J	Bioconjug Chem (1996 Mar-Apr)	7 / 187-95	PubMed Citation
Enzyme-linked immunosorbent assay for screening dioxin soil contamination by uncontrolled combustion ...	Trindade, Mirta; Nording, Malin; Nichkova, Mikaela; Spinnel, Erik; Haglund, Peter; Last, Michael S; Gee, Shirley; Hammock, Bruce; Last, Jerold A; González-Sapienza, Gualberto; Brená, Beatriz M	Environ Toxicol Chem (2008 Nov)	27 / 2224-32	PubMed Citation
Enzyme-linked immunosorbent assay for the pyrethroid deltamethrin.	Lee, Hu-Jang; Shan, Guomin; Watanabe, Takaho; Stoutamire, Donald W; Gee, Shirley J; Hammock, Bruce D	J Agric Food Chem (2002 Sep 25)	50 / 5526-32	PubMed Citation
Enzyme-linked immunosorbent assay for the pyrethroid permethrin.	Shan, G; Leeman, W R; Stoutamire, D W; Gee, S J; Chang, D P; Hammock, B D	J Agric Food Chem (2000 Sep)	48 / 4032-40	PubMed Citation
Enzyme-linked immunosorbent assay for the specific detection of the mercapturic acid metabolites of ...	Marco, M P; Nasiri, M; Kurth, M J; Hammock, B D	Chem Res Toxicol (1993 May-Jun)	6 / 284-93	PubMed Citation
Epidemiologic methods for prospective assessment of menstrual cycle and reproductive characteristics ...	Gold, E B; Eskenazi, B; Lasley, B L; Samuels, S J; O'Neill Rasor, M; Overstreet, J W; Schenker, M B	Am J Ind Med (1995 Dec)	28 / 783-97	PubMed Citation
Epoxide hydrolase activities and epoxy fatty acids in the mosquito <i>Culex quinquefasciatus</i> .	Xu, Jiawen; Morisseau, Christophe; Yang, Jun; Mamatha, Dadala M; Hammock, Bruce D	Insect Biochem Mol Biol (2015 Apr)	59 / 41-9	PubMed Citation
Epoxide hydrolases in the rat epididymis: possible roles in xenobiotic and endogenous fatty acid met ...	DuTeaux, Shelley Brown; Newman, John W; Morisseau, Christophe; Fairbairn, Elise A; Jelks, Karen; Hammock, Bruce D; Miller, Marion G	Toxicol Sci (2004 Apr)	78 / 187-95	PubMed Citation
Epoxide hydrolases: mechanisms, inhibitor designs, and biological roles.	Morrisseau, Christophe; Hammock, Bruce D	Annu Rev Pharmacol Toxicol (2005)	45 / 311-33	PubMed Citation
Epoxide hydrolases: their roles and interactions with lipid metabolism.	Newman, John W; Morisseau, Christophe; Hammock, Bruce D	Prog Lipid Res (2005 Jan)	44 / 1-51	PubMed Citation
Epoxy fatty acids and inhibition of the soluble epoxide hydrolase selectively modulate GABA mediated ...	Inceoglu, Bora; Zolkowska, Dorota; Yoo, Hyun Ju; Wagner, Karen M; Yang, Jun; Hackett, Edward; Hwang, Sung Hee; Lee, Kin Sing Stephen; Rogawski, Michael A; Morisseau, Christophe; Hammock, Bruce D	PLoS One (2013)	8 / e80922	PubMed Citation
Epoxy fatty acids mediate analgesia in murine diabetic neuropathy.	Wagner, K; Lee, K S S; Yang, J; Hammock, B D	Eur J Pain (2016 / Sep 15)	PubMed Citation	
Epoxy metabolites of docosahexaenoic acid (DHA) inhibit angiogenesis, tumor growth, and metastasis.	Zhang, Guodong; Panigrahy, Dipak; Mahakian, Lisa M; Yang, Jun; Liu, Jun-Yan; Stephen Lee, Kin Sing; Wettersten, Hiromi I; Ulu, Arzu; Hu, Xiaowen; Tam, Sarah; Hwang, Sung Hee; Ingham, Elizabeth S; Kieran, Mark W; Weiss, Robert H; Ferrara, Katherine W; Hammock, Bruce D	Proc Natl Acad Sci U S A (2013 Apr 16)	110 / 6530-5	PubMed Citation

Epoxyeicosanoids promote organ and tissue regeneration.	Panigrahy, Dipak; Kalish, Brian T; Huang, Sui; Bielenberg, Diane R; Le, Hau D; Yang, Jun; Edin, Matthew L; Lee, Craig R; Benny, Ofra; Mudge, Dayna K; Butterfield, Catherine E; Mammoto, Akiko; Mammoto, Tadanori; Inceoglu, Bora; Jenkins, Roger L; Simpson, Mary A; Akino, Tomoshige; Lih, Fred B; Tomer, Kenneth B; Ingber, Donald E; Hammock, Bruce D; Falck, John R; Manthati, Vijaya L; Kaipainen, Arja; D'Amore, Patricia A; Puder, Mark; Zeldin, Darryl C; Kieran, Mark W	Proc Natl Acad Sci U S A (2013 Aug 13)	110 / 13528-33	PubMed Citation
Epoxyeicosanoids stimulate multiorgan metastasis and tumor dormancy escape in mice.	Panigrahy, Dipak; Edin, Matthew L; Lee, Craig R; Huang, Sui; Bielenberg, Diane R; Butterfield, Catherine E; Barnés, Carmen M; Mammoto, Akiko; Mammoto, Tadanori; Luria, Ayala; Benny, Ofra; Chaponis, Deviney M; Dudley, Andrew C; Greene, Emily R; Vergilio, Jo-Anne; Pietramaggiori, Giorgio; Scherer-Pietramaggiori, Sandra S; Short, Sarah M; Seth, Meetu; Lih, Fred B; Tomer, Kenneth B; Yang, Jun; Schwendener, Reto A; Hammock, Bruce D; Falck, John R; Manthati, Vijaya L; Ingber, Donald E; Kaipainen, Arja; D'Amore, Patricia A; Kieran, Mark W; Zeldin, Darryl C	J Clin Invest (2012 Jan)	122 / 178-91	PubMed Citation
Epoxyeicosatrienoic acids and the soluble epoxide hydrolase are determinants of pulmonary artery pre ...	Keserü, Benjamin; Barbosa-Sicard, Eduardo; Popp, Rüdiger; Fisslthaler, Beate; Dietrich, Alexander; Gudermann, Thomas; Hammock, Bruce D; Falck, John R; Weissmann, Norbert; Busse, Rudi; Fleming, Ingrid	FASEB J (2008 Dec)	22 / 4306-15	PubMed Citation
Epoxyeicosatrienoic acids enhance axonal growth in primary sensory and cortical neuronal cell cultur ...	Abdu, Emun; Bruun, Donald A; Yang, Dongren; Yang, Jun; Inceoglu, Bora; Hammock, Bruce D; Alkayed, Nabil J; Lein, Pamela J	J Neurochem (2011 May)	117 / 632-42	PubMed Citation
Epoxyeicosatrienoic acids regulate Trp channel dependent Ca ²⁺ signaling and hyperpolarization in end ...	Fleming, Ingrid; Rueben, Alexandra; Popp, Rudiger; Fisslthaler, Beate; Schrotte, Susanne; Sander, Anna; Haendeler, Judith; Falck, John R; Morrisseau, Christophe; Hammock, Bruce D; Busse, Rudi	Arterioscler Thromb Vasc Biol (2007 Dec)	27 / 2612-8	PubMed Citation
Epoxyeicosatrienoic and dihydroxyeicosatrienoic acids dilate human coronary arterioles via BK(Ca) ch ...	Larsen, Brandon T; Miura, Hiroto; Hatoum, Ossama A; Campbell, William B; Hammock, Bruce D; Zeldin, Darryl C; Falck, John R; Guterman, David D	Am J Physiol Heart Circ Physiol (2006 Feb)	290 / H491-9	PubMed Citation
Epoxygenated fatty acids and soluble epoxide hydrolase inhibition: novel mediators of pain reduction ...	Wagner, Karen; Inceoglu, Bora; Gill, Sarjeet S; Hammock, Bruce D	J Agric Food Chem (2011 Apr 13)	59 / 2816-24	PubMed Citation
Estimation of transformation parameters for microarray data.	Durbin, Blythe; Rocke, David M	Bioinformatics (2003 Jul 22)	19 / 1360-7	PubMed Citation

Eu3+-doped Gd2O3 nanoparticles as reporters for optical detection and visualization of antibodies pa ...	Nichkova, Mikaela; Dosey, Dosi; Perron, Richard; Gee, Shirley J; Hammock, Bruce D; Kennedy, Ian M	Anal Bioanal Chem (2006 Feb)	384 / 631-7	PubMed Citation
Evaluation of alpha-cyano ethers as fluorescent substrates for assay of cytochrome P450 enzyme activ ...	Kang, Kyung-Don; Jones, Paul D; Huang, Huazhang; Zhang, Rong; Mostovich, Lyudmila A; Wheelock, Craig E; Watanabe, Takaho; Gulyaeva, Lyudmila F; Hammock, Bruce D	Anal Biochem (2005 Sep 15)	344 / 183-92	PubMed Citation
Evaluation of alpha-cyanoesters as fluorescent substrates for examining interindividual variation in ...	Wheelock, Craig E; Wheelock, Asa M; Zhang, Rong; Stok, Jeanette E; Morrisseau, Christophe; Le Valley, Susanna E; Green, Carol E; Hammock, Bruce D	Anal Biochem (2003 Apr 15)	315 / 208-22	PubMed Citation
Evaluation of chiral alpha-cyanoesters as general fluorescent substrates for screening enantioselect ...	Huang, Huazhang; Nishi, Kosuke; Gee, Shirley J; Hammock, Bruce D	J Agric Food Chem (2006 Feb 8)	54 / 694-9	PubMed Citation
Evaluation of cytotoxicity attributed to thimerosal on murine and human kidney cells.	Park, Eun-Kee; Mak, Sally K; Kultz, Dietmar; Hammock, Bruce D	J Toxicol Environ Health A (2007 Dec)	70 / 2092-5	PubMed Citation
Evaluation of fish models of soluble epoxide hydrolase inhibition.	Newman, J W; Denton, D L; Morrisseau, C; Koger, C S; Wheelock, C E; Hinton, D E; Hammock, B D	Environ Health Perspect (2001 Jan)	109 / 61-6	PubMed Citation
Evidence of quinone metabolites of naphthalene covalently bound to sulfur nucleophiles of proteins o ...	Zheng, J; Cho, M; Jones, A D; Hammock, B D	Chem Res Toxicol (1997 Sep)	10 / 1008-14	PubMed Citation
Evolution of silver nanoparticles in the rat lung investigated by X-ray absorption spectroscopy.	Davidson, R Andrew; Anderson, Donald S; Van Winkle, Laura S; Pinkerton, Kent E; Guo, T	J Phys Chem A (2015 Jan 15)	119 / 281-9	PubMed Citation
Evolutionary conservation of apoptosis mechanisms: lepidopteran and baculoviral inhibitor of apoptosis	Huang, Q; Deveraux, Q L; Maeda, S; Salvesen, G S; Stennicke, H R; Hammock, B D; Reed, J C	Proc Natl Acad Sci U S A (2000 Feb 15)	97 / 1427-32	PubMed Citation
Exactly the same but different: promiscuity and diversity in the molecular mechanisms of action of t ...	Denison, Michael S; Soshilov, Anatoly A; He, Guochun; DeGroot, Danica E; Zhao, Bin	Toxicol Sci (2011 Nov)	124 / 1-22	PubMed Citation
Excitatory and inhibitory synaptic transmission is differentially influenced by two ortho-substitute ...	Kim, Kyung Ho; Inan, Salim Yalcin; Berman, Robert F; Pessah, Isaac N	Toxicol Appl Pharmacol (2009 Jun 1)	237 / 168-77	PubMed Citation
Excretion and blood radioactivity levels following [14C]senecionine administration in the rat.	Estep, J E; Lame, M W; Segall, H J	Toxicology (1990 Nov)	64 / 179-89	PubMed Citation
Explorations of substituted urea functionality for the discovery of new activators of the heme-regul ...	Chen, Ting; Takrouri, Khuloud; Hee-Hwang, Sung; Rana, Sandeep; Yefidoff-Freedman, Revital; Halperin, Jose; Natarajan, Amarnath; Morrisseau, Christophe; Hammock, Bruce; Chorev, Michael; Aktas, Bertal H	J Med Chem (2013 Dec 12)	56 / 9457-70	PubMed Citation
Expression and characterization of an epoxide hydrolase from Anopheles gambiae with high activity on ...	Xu, Jiawen; Morrisseau, Christophe; Hammock, Bruce D	Insect Biochem Mol Biol (2014 Nov)	54 / 42-52	PubMed Citation
Expression and function of ryanodine receptor related pathways in PCB tolerant Atlantic killifish (F ...	Fritsch, Erika B; Stegeman, John J; Goldstone, Jared V; Nacci, Diane E; Champlin, Denise; Jayaraman, Saro; Connon, Richard E; Pessah, Isaac N	Aquat Toxicol (2015 Feb)	159 / 156-66	PubMed Citation
Expression of foreign genes in Bombyx mori larvae using baculovirus vectors.	Choudary, P V; Kamita, S G; Maeda, S	Methods Mol Biol (1995)	39 / 243-64	PubMed Citation
Extension of the four-parameter logistic model for ELISA to multianalyte analysis.	Jones, G; Worthberg, M; Kreissig, S B; Bunch, D S; Gee, S J; Hammock, B D; Rocke, D M	J Immunol Methods (1994 Dec 28)	177 / 1-7	PubMed Citation
Factors contributing to the off-target transport of pyrethroid insecticides from urban surfaces.	Jorgenson, Brant C; Wissel-Tyson, Christopher; Young, Thomas M	J Agric Food Chem (2012 Aug 1)	60 / 7333-40	PubMed Citation

Fluorescence quenching competitive immunoassay in micro droplets.	Feng, Jun; Shan, Guomin; Hammock, Bruce D; Kennedy, Ian M	Biosens Bioelectron (2003 Aug 1)	18 / 1055-63	PubMed Citation
Fluorescent substrates for soluble epoxide hydrolase and application to inhibition studies.	Jones, Paul D; Wolf, Nicola M; Morrisseau, Christophe; Whetstone, Paul; Hock, Bertold; Hammock, Bruce D	Anal Biochem (2005 Aug 1)	343 / 66-75	PubMed Citation
Formation of epoxide and quinone protein adducts in B6C3F1 mice treated with naphthalene, sulfate co ...	Tsuruda, L S; Lame, M W; Jones, A D	Arch Toxicol (1995)	69 / 362-7	PubMed Citation
Formation of hydroxyl radical from San Joaquin Valley particles extracted in a cell-free surrogate l ...	Shen, H; Anastasio, C	Atmos Chem Phys (2011 Sep 16)	11 / 9671-9682	PubMed Citation
Formulation effects and the off-target transport of pyrethroid insecticides from urban hard surfaces ...	Jorgenson, Brant C; Young, Thomas M	Environ Sci Technol (2010 Jul 1)	44 / 4951-7	PubMed Citation
Forster resonance energy transfer competitive displacement assay for human soluble epoxide hydrolase ...	Lee, Kin Sing Stephen; Morrisseau, Christophe; Yang, Jun; Wang, Peng; Hwang, Sung Hee; Hammock, Bruce D	Anal Biochem (2013 Mar 15)	434 / 259-68	PubMed Citation
Founder mutations in the lipase h gene in families with autosomal recessive woolly hair/hypotrichosis ...	Shimomura, Yutaka; Wajid, Muhammad; Zlotogorski, Abraham; Lee, Young-Jin; Rice, Robert H; Christiano, Angela M	J Invest Dermatol (2009 Aug)	129 / 1927-34	PubMed Citation
Frataxin deficiency induces Schwann cell inflammation and death.	Lu, Chunye; Schoenfeld, Robert; Shan, Yuxi; Tsai, Hsing-Jo; Hammock, Bruce; Cortopassi, Gino	Biochim Biophys Acta (2009 Nov)	1792 / 1052-61	PubMed Citation
Free flow electrophoresis separation and AMS quantitation of C-naphthalene-protein adducts.	Buchholz, Bruce A; Haack, Kurt W; Sporty, Jennifer L; Buckpitt, Alan R; Morin, Dexter	Nucl Instrum Methods Phys Res B (2010 Apr 1)	268 / 1324-1327	PubMed Citation
Frequency-domain birefringence measurement of biological binding to magnetic nanoparticles.	Ku, Benjamin Y; Chan, Mei-Lin; Ma, Zhiya; Horsley, David A	J Magn Magn Mater (2008)	320 / 2279-2283	PubMed Citation
FRET-based homogeneous immunoassay on a nanoparticle-based photonic crystal.	Han, Jin-Hee; Sudheendra, Lakshmana; Kennedy, Ian M	Anal Bioanal Chem (2015 Jul)	407 / 5243-7	PubMed Citation
From 'omics to otoliths: responses of an estuarine fish to endocrine disrupting compounds across bio ...	Brander, Susanne M; Connon, Richard E; He, Guochun; Hobbs, James A; Smalling, Kelly L; Teh, Swee J; White, J Wilson; Werner, Inge; Denison, Michael S; Cherr, Gary N	PLoS One (2013)	8 / e74251	PubMed Citation
Functional and biochemical properties of ryanodine receptor type 1 channels from heterozygous R163C ...	Feng, Wei; Barrientos, Genaro C; Cherednichenko, Gennady; Yang, Tianzhong; Padilla, Isela T; Truong, Kim; Allen, Paul D; Lopez, José R; Pessah, Isaac N	Mol Pharmacol (2011 Mar)	79 / 420-31	PubMed Citation
Functional AP1 and CRE response elements in the human keratinocyte transglutaminase promoter mediati ...	Jessen, B A; Qin, Q; Rice, R H	Gene (2000 Aug 22)	254 / 77-85	PubMed Citation
Functional characterization of bacterial signal peptide OmpA in a baculovirus-mediated expression sy ...	Nagamine, Toshihiro; Kawasaki, Yu; Iizuka, Tetsutarō; Okano, Keiju; Matsumoto, Shogo; Choudary, Prabhakara V	Cell Struct Funct (2003 Apr)	28 / 131-42	PubMed Citation
Functional genomics and proteomics of the cellular osmotic stress response in 'non-model' organisms.	Kultz, Dietmar; Fiol, Diego; Valkova, Nelly; Gomez-Jimenez, Silvia; Chan, Stephanie Y; Lee, Jinoo	J Exp Biol (2007 May)	210 / 1593-601	PubMed Citation
Gas chromatographic analysis of free and bound malonaldehyde in rat liver homogenates.	Ichinose, T; Miller, M G; Shibamoto, T	Lipids (1989 Oct)	24 / 895-8	PubMed Citation
Gas chromatographic determination of malonaldehyde formed by lipid peroxidation.	Dennis, K J; Shibamoto, T	Free Radic Biol Med (1989)	7 / 187-92	PubMed Citation
Gas chromatographic determination of vapor-phase biomarkers formed from rats dosed with CCl4.	Dennis, K J; Ichinose, T; Miller, M; Shibamoto, T	J Appl Toxicol (1993 Jul-Aug)	13 / 301-3	PubMed Citation

Gas-phase ambient air contaminants exhibit significant dioxin-like and estrogen-like activity in vitro ...	Klein, Gail P; Hodge, Erin M; Diamond, Miriam L; Yip, Amelia; Dann, Tom; Stern, Gary; Denison, Michael S; Harper, Patricia A	Environ Health Perspect (2006 May)	114 / 697-703	PubMed Citation
GAS-PHASE FLAME SYNTHESIS AND PROPERTIES OF MAGNETIC IRON OXIDE NANOPARTICLES WITH REDUCED OXIDATION ...	Kumfer, Benjamin M; Shinoda, Kozo; Jeyadevan, Balachandran; Kennedy, Ian M	J Aerosol Sci (2010 Mar 1)	41 / 257-265	PubMed Citation
Gene deficiency and pharmacological inhibition of soluble epoxide hydrolase confers resilience to re ...	Ren, Qian; Ma, Min; Ishima, Tamaki; Morisseau, Christophe; Yang, Jun; Wagner, Karen M; Zhang, Ji-Chun; Yang, Chun; Yao, Wei; Dong, Chao; Han, Mei; Hammock, Bruce D; Hashimoto, Kenji	Proc Natl Acad Sci U S A (2016 Mar 29)	113 / E1944-52	PubMed Citation
Gene expression analysis in response to lung toxicants: I. Sequencing and microarray development.	Shultz, Michael A; Zhang, Lu; Gu, Yi-Zhong; Baker, Gregory L; Fannuchi, Michelle V; Padua, Allan M; Gurske, William A; Morin, Dexter; Penn, Sharron G; Jovanovich, Stevan B; Plopper, Charles G; Buckpitt, Alan R	Am J Respir Cell Mol Biol (2004 Mar)	30 / 296-310	PubMed Citation
Gene expression profiling in pachyonychia congenita skin.	Cao, Yu-An; Hickerson, Robyn P; Seegmiller, Brandon L; Grapov, Dmitry; Gross, Maren M; Bessette, Marc R; Phinney, Brett S; Flores, Manuel A; Speaker, Tycho J; Vermeulen, Annaleen; Bravo, Albert A; Bruckner, Anna L; Milstone, Leonard M; Schwartz, Mary E; Rice, Robert H; Kaspar, Roger L	J Dermatol Sci (2015 Mar)	77 / 156-65	PubMed Citation
Gene mdpC plays a regulatory role in the methyl-tert-butyl ether degradation pathway of Methylibium ...	Joshi, Geetika; Schmidt, Radomir; Scow, Kate M; Denison, Michael S; Hristova, Krassimira R	FEMS Microbiol Lett (2015 Apr)	362 /	PubMed Citation
Gene regulatory networks in lactation: identification of global principles using bioinformatics.	Lemay, Danielle G; Neville, Margaret C; Rudolph, Michael C; Pollard, Katherine S; German, J Bruce	BMC Syst Biol (2007)	1 / 56	PubMed Citation
Gene-specific TCDD suppression of RARalpha- and RXR-mediated induction of tissue transglutaminase.	Krig, Sheryl R; Chandraratna, Rosshantha A S; Chang, Mary M J; Wu, Reen; Rice, Robert H	Toxicol Sci (2002 Jul)	68 / 102-8	PubMed Citation
Generation of hydroxyl radicals from ambient fine particles in a surrogate lung fluid solution.	Vidrio, Edgar; Phuah, Chin H; Dillner, Ann M; Anastasio, Cort	Environ Sci Technol (2009 Feb 1)	43 / 922-7	PubMed Citation
Generation of Hydroxyl Radicals from Dissolved Transition Metals in Surrogate Lung Fluid Solutions.	Vidrio, Edgar; Jung, Heejung; Anastasio, Cort	Atmos Environ (1994) (2008)	42 / 4369-4379	PubMed Citation
Generation of oxidant response to copper and iron nanoparticles and salts: Stimulation by ascorbate.	Rice, Robert H; Vidrio, Edgar A; Kumfer, Benjamin M; Qin, Qin; Willits, Neil H; Kennedy, Ian M; Anastasio, Cort	Chem Biol Interact (2009 Oct 30)	181 / 359-65	PubMed Citation
Genetic variation in soluble epoxide hydrolase (EPHX2) and risk of coronary heart disease: The Ather ...	Lee, Craig R; North, Kari E; Bray, Molly S; Fornage, Myriam; Seubert, John M; Newman, John W; Hammock, Bruce D; Couper, David J; Heiss, Gerardo; Zeldin, Darryl C	Hum Mol Genet (2006 May 15)	15 / 1640-9	PubMed Citation
Genome-wide search and identification of a novel gel-forming mucin MUC19/Muc19 in glandular tissues.	Chen, Yin; Zhao, Yu Hua; Kalaslavadi, Tejas Baba; Hamati, Edward; Nehrkne, Keith; Le, Anh Dao; Ann, David K; Wu, Reen	Am J Respir Cell Mol Biol (2004 Feb)	30 / 155-65	PubMed Citation
Gerry Brooks and epoxide hydrolases: four decades to a pharmaceutical.	Morisseau, Christophe; Hammock, Bruce D	Pest Manag Sci (2008 Jun)	64 / 594-609	PubMed Citation

Ginsenosides are novel naturally-occurring aryl hydrocarbon receptor ligands.	Hu, Qin; He, Guochun; Zhao, Jing; Soshilov, Anatoly; Denison, Michael S; Zhang, Aiqian; Yin, Huijun; Fraccalvieri, Domenico; Bonati, Laura; Xie, Qunhui; Zhao, Bin	PLoS One (2013)	8 / e66258	PubMed Citation
Global alteration of gene expression in human keratinocytes by inorganic arsenic.	Rea, Miguel A; Gregg, Jeff P; Qin, Qin; Phillips, Marjorie A; Rice, Robert H	Carcinogenesis (2003 Apr)	24 / 747-56	PubMed Citation
Glutathione conjugation of electrophilic metabolites of 1-nitronaphthalene in rat tracheobronchial a ...	Watt, K C; Morin, D M; Kurth, M J; Mercer, R S; Plopper, C G; Buckpitt, A R	Chem Res Toxicol (1999 Sep)	12 / 831-9	PubMed Citation
Glycoprotein expression in human milk during lactation.	Froehlich, John W; Dodds, Eric D; Barboza, Mariana; McJimpsey, Erica L; Seipert, Richard R; Francis, Jimi; An, Hyun Joo; Freeman, Samara; German, J Bruce; Lebrilla, Carlito B	J Agric Food Chem (2010 May 26)	58 / 6440-8	PubMed Citation
Graded effects of proteinuria on HDL structure in nephrotic rats.	Shearer, Gregory C; Newman, John W; Hammock, Bruce D; Kayser, George A	J Am Soc Nephrol (2005 May)	16 / 1309-19	PubMed Citation
Green tea catechins are potent sensitizers of ryanodine receptor type 1 (RyR1).	Feng, Wei; Cherednichenko, Gennady; Ward, Chris W; Padilla, Isela T; Cabrales, Elaine; Lopez, José R; Eltit, José M; Allen, Paul D; Pessah, Isaac N	Biochem Pharmacol (2010 Aug 15)	80 / 512-21	PubMed Citation
Growth hormone enhances arachidonic acid metabolites in a growth hormone transgenic mouse.	Oberbauer, A M; German, J B; Murray, J D	Lipids (2011 Jun)	46 / 495-504	PubMed Citation
Haloenol lactone is a new isozyme-selective and active site-directed inactivator of glutathione S-tr ...	Zheng, J; Mitchell, A E; Jones, A D; Hammock, B D	J Biol Chem (1996 Aug 23)	271 / 20421-5	PubMed Citation
Hapten and antibody production for a sensitive immunoassay determining a human urinary metabolite of ...	Ahn, Ki Chang; Watanabe, Takaho; Gee, Shirley J; Hammock, Bruce D	J Agric Food Chem (2004 Jul 28)	52 / 4583-94	PubMed Citation
Heavy chain single-domain antibodies to detect native human soluble epoxide hydrolase.	Cui, Yongliang; Li, Dongyang; Morrisseau, Christophe; Dong, Jie-Xian; Yang, Jun; Wan, Debin; Rossotti, Martin A; Gee, Shirley J; González-Sapienza, Gualberto G; Hammock, Bruce D	Anal Bioanal Chem (2015 Sep)	407 / 7275-83	PubMed Citation
Hemicalcin, a new toxin from the Iranian scorpion Hemiscorpius lepturus which is active on ryanodine ...	Shahbazzadeh, Delavar; Srairi-Abid, Najet; Feng, Wei; Ram, Narendra; Borchani, Lamia; Ronjat, Michel; Akbari, Abolfazl; Pessah, Isaac N; De Waard, Michel; El Ayeb, Mohamed	Biochem J (2007 May 15)	404 / 89-96	PubMed Citation
Heparin, lipoproteins, and oxygenated fatty acids in blood: a cautionary note.	Goodfriend, T L; Pedersen, T L; Grekin, R J; Hammock, B D; Ball, D L; Vollmer, A	Prostaglandins Leukot Essent Fatty Acids (2007 Nov-Dec)	77 / 363-6	PubMed Citation
Hepatic and pulmonary enzyme activities in horses.	Lakritz, J; Winder, B S; Noorouz-Zadeh, J; Huang, T L; Buckpitt, A R; Hammock, B D; Plopper, C G	Am J Vet Res (2000 Feb)	61 / 152-7	PubMed Citation
Hepatic cellular distribution of cytochrome P-450 IA1 in rainbow trout (<i>Oncorhynchus mykiss</i>): an imm ...	Lester, S M; Braunbeck, T A; Teh, S J; Stegeman, J J; Miller, M R; Hinton, D E	Cancer Res (1993 Aug 15)	53 / 3700-6	PubMed Citation
Hepatic metabolism affects the atropselective disposition of 2,2',3,3',6,6'-hexachlorobiphenyl (PCB ...	Wu, Xianai; Barnhart, Christopher; Lein, Pamela J; Lehmler, Hans-Joachim	Environ Sci Technol (2015 Jan 6)	49 / 616-25	PubMed Citation
Herbicide runoff along highways. 1. Field observations.	Huang, Xinjiang; Pedersen, Theresa; Fischer, Michael; White, Richard; Young, Thomas M	Environ Sci Technol (2004 Jun 15)	38 / 3263-71	PubMed Citation
Herbicide runoff along highways. 2. Sorption control.	Huang, Xinjiang; Pedersen, Theresa; Fischer, Michael; White, Richard; Young, Thomas M	Environ Sci Technol (2004 Jun 15)	38 / 3272-8	PubMed Citation

Heterogeneity of clara cell glutathione. A possible basis for differences in cellular responses to p ...	West, J A; Chichester, C H; Buckpitt, A R; Tyler, N K; Brennan, P; Helton, C; Plopper, C G	Am J Respir Cell Mol Biol (2000 Jul)	23 / 27-36	PubMed Citation
Heterologous antigen selection of camelid heavy chain single domain antibodies against tetrabromobis ...	Wang, Jia; Bever, Candace R S; Majkova, Zuzana; Dechant, Julie E; Yang, Jun; Gee, Shirley J; Xu, Ting; Hammock, Bruce D	Anal Chem (2014 Aug 19)	86 / 8296-302	PubMed Citation
High salt intake increases blood pressure in normal rats: putative role of 20-HETE and no evidence o ...	Walkowska, A; Kuczeriszka, M; Sadowski, J; Olszyński, K H; Dobrowolski, L; Ćervenka, L; Hammock, B D; Kompanowska-Jezierska, E	Kidney Blood Press Res (2015)	40 / 323-34	PubMed Citation
High-throughput automated luminescent magnetic particle-based immunoassay to monitor human exposure ...	Ahn, Ki Chang; Lohstroh, Pete; Gee, Shirley J; Gee, Nancy A; Lasley, Bill; Hammock, Bruce D	Anal Chem (2007 Dec 1)	79 / 8883-90	PubMed Citation
High-throughput method for ranking the affinity of peptide ligands selected from phage display libra ...	González-Techera, A; Umpiérrez-Failache, M; Cardozo, S; Obal, G; Pritsch, O; Last, J A; Gee, S J; Hammock, B D; González-Sapienza, G	Bioconjug Chem (2008 May)	19 / 993-1000	PubMed Citation
High-throughput pharmacokinetic method: cassette dosing in mice associated with minuscule serial ble ...	Watanabe, Takaho; Schulz, Daniela; Morisseau, Christophe; Hammock, Bruce D	Anal Chim Acta (2006 Feb 10)	559 / 37-44	PubMed Citation
Homology model of juvenile hormone esterase from the crop pest, <i>Heliothis virescens</i> .	Thomas, B A; Church, W B; Lane, T R; Hammock, B D	Proteins (1999 Feb 1)	34 / 184-96	PubMed Citation
Hormonal characteristics in the early luteal phase of conceptional and nonconceptional menstrual cycles.	Chen, Jiangang; Qiu, Qin; Lohstroh, Pete N; Overstreet, James W; Lasley, Bill L	J Soc Gynecol Investig (2003 Jan)	10 / 27-31	PubMed Citation
Hourly human chorionic gonadotropin secretion profiles during the peri-implantation period of succes ...	Lohstroh, Pete N; Overstreet, James W; Stewart, Dennis R; Nakajima, Steven T; Cragun, Jeffrey R; Boyers, Stephen P; Lasley, Bill L	Fertil Steril (2007 Jun)	87 / 1413-8	PubMed Citation
HPLC-accelerator MS measurement of atrazine metabolites in human urine after dermal exposure.	Buchholz, B A; Fultz, E; Haack, K W; Vogel, J S; Gilman, S D; Gee, S J; Hammock, B D; Hui, X; Wester, R C; Maibach, H I	Anal Chem (1999 Aug 15)	71 / 3519-25	PubMed Citation
Human coronary endothelial cells convert 14,15-EET to a biologically active chain-shortened epoxide.	Fang, Xiang; Weintraub, Neal L; Oltman, Christine L; Stoll, Lynn L; Kaduce, Terry L; Harmon, Shawn; Dellasperger, Kevin C; Morisseau, Christophe; Hammock, Bruce D; Spector, Arthur A	Am J Physiol Heart Circ Physiol (2002 Dec)	283 / H2306-14	PubMed Citation
Human epidermal cell protein responses to arsenite treatment in culture.	Lee, Chan; Lee, Young Moo; Rice, Robert H	Chem Biol Interact (2005 Jun 30)	155 / 43-54	PubMed Citation
Human in vivo dose-response to controlled, low-dose low linear energy transfer ionizing radiation ex ...	Goldberg, Zelanna; Rocke, David M; Schwietert, Chad; Berglund, Susanne R; Santana, Alison; Jones, Angela; Lehmann, Jorg; Stern, Robin; Lu, Ruixiao; Hartmann Siantar, Christine	Clin Cancer Res (2006 Jun 15)	12 / 3723-9	PubMed Citation
Human milk oligosaccharides: evolution, structures and bioselectivity as substrates for intestinal b ...	German, J Bruce; Freeman, Samara L; Lebrilla, Carlito B; Mills, David A	Nestle Nutr Workshop Ser Pediatr Program (2008)	62 / 205-18; discussion 218-22	PubMed Citation
Human soluble epoxide hydrolase: structural basis of inhibition by 4-(3-cyclohexylureido)-carboxylic ...	Gomez, German A; Morisseau, Christophe; Hammock, Bruce D; Christianson, David W	Protein Sci (2006 Jan)	15 / 58-64	PubMed Citation

Human vitamin B12 absorption measurement by accelerator mass spectrometry using specifically labeled ...	Carkeet, Colleen; Dueker, Stephen R; Lango, Jozsef; Buchholz, Bruce A; Miller, Joshua W; Green, Ralph; Hammock, Bruce D; Roth, John R; Anderson, Peter J	Proc Natl Acad Sci U S A (2006 Apr 11)	103 / 5694-9	PubMed Citation
Humic acids buffer the effects of urea on soil ammonia oxidizers and potential nitrification.	Dong, Lianhua; Córdova-Kreylos, Ana Lucía; Yang, Jinshui; Yuan, Hongli; Scow, Kate M	Soil Biol Biochem ()	41 / 1612-1621	PubMed Citation
Hydrogen peroxide formation in a surrogate lung fluid by transition metals and quinones present in p ...	Charrier, Jessica G; McFall, Alexander S; Richards-Henderson, Nicole K; Anastasio, Cort	Environ Sci Technol (2014 Jun 17)	48 / 7010-7	PubMed Citation
Hydrolysis of carbonates, thiocarbonates, carbamates, and carboxylic esters of alpha-naphthol, beta- ...	Huang, T L; Szekacs, A; Uematsu, T; Kuwano, E; Parkinson, A; Hammock, B D	Pharm Res (1993 May)	10 / 639-48	PubMed Citation
Hydrolysis of cis- and trans-epoxyeicosatrienoic acids by rat red blood cells.	Jiang, Houli; Zhu, Angela G; Mamczur, Magdalena; Morisseau, Christophe; Hammock, Bruce D; Falck, John R; McGiff, John C	J Pharmacol Exp Ther (2008 Jul)	326 / 330-7	PubMed Citation
Hydrolysis of individual isomers of fluorogenic pyrethroid analogs by mutant carboxylesterases from ...	Devonshire, A L; Heidari, R; Huang, H Z; Hammock, B D; Russell, R J; Oakeshott, J G	Insect Biochem Mol Biol (2007 Sep)	37 / 891-902	PubMed Citation
Hydroxylated xestospongins block inositol-1,4,5-trisphosphate-induced Ca2+ release and sensitize Ca2 ...	Ta, Tram Anh; Feng, Wei; Molinski, Tadeusz F; Pessah, Isaac N	Mol Pharmacol (2006 Feb)	69 / 532-8	PubMed Citation
Identification and characterization of a cDNA encoding cytochrome P450 3A from the fresh water teleo ...	Kullman, S W; Hamm, J T; Hinton, D E	Arch Biochem Biophys (2000 Aug 1)	380 / 29-38	PubMed Citation
Identification and characterization of an ovary-selective isoform of epoxide hydrolase.	Hennebold, Jon D; Mah, Kuni; Perez, Wilma; Vance, Jessica E; Stouffer, Richard L; Morisseau, Christophe; Hammock, Bruce D; Adashi, Eli Y	Biol Reprod (2005 Apr)	72 / 968-75	PubMed Citation
Identification and characterization of complex bioactive oligosaccharides in white and red wine by a ...	Bordiga, Matteo; Travaglia, Fabiano; Meyrand, Mickael; German, J Bruce; Lebrilla, Carlito B; Coisson, Jean Daniel; Arlorio, Marco; Barile, Daniela	J Agric Food Chem (2012 Apr 11)	60 / 3700-7	PubMed Citation
Identification of 13-hydroxy-14,15-epoxyeicosatrienoic acid as an acid-stable endothelium-derived hy ...	Chawengsub, Yuttana; Gauthier, Kathryn M; Nithipatikom, Kasem; Hammock, Bruce D; Falck, John R; Narsimhaswamy, Dubasi; Campbell, William B	J Biol Chem (2009 Nov 06)	284 / 31280-90	PubMed Citation
Identification of 15-hydroxy-11,12-epoxyeicosatrienoic acid as a vasoactive 15-lipoxygenase metaboli ...	Chawengsub, Yuttana; Aggarwal, Nitin T; Nithipatikom, Kasem; Gauthier, Kathryn M; Anjaiah, Siddam; Hammock, Bruce D; Falck, John R; Campbell, William B	Am J Physiol Heart Circ Physiol (2008 Mar)	294 / H1348-56	PubMed Citation
Identification of an involucrin promoter transcriptional response element with activity restricted t ...	Phillips, M A; Qin, Q; Rice, R H	Biochem J (2000 May 15)	348 Pt 1 / 45-53	PubMed Citation
Identification of anovulation and transient luteal function using a urinary pregnanediol-3-glucuroni ...	Kassam, A; Overstreet, J W; Snow-Harter, C; De Souza, M J; Gold, E B; Lasley, B L	Environ Health Perspect (1996 Apr)	104 / 408-13	PubMed Citation
Identification of benzothiazole derivatives and polycyclic aromatic hydrocarbons as aryl hydrocarbon ...	He, Guochun; Zhao, Bin; Denison, Michael S	Environ Toxicol Chem (2011 Aug)	30 / 1915-25	PubMed Citation
Identification of hyperreactive cysteines within ryanodine receptor type 1 by mass spectrometry.	Voss, Andrew A; Lango, Jozsef; Ernst-Russell, Michael; Morin, Dexter; Pessah, Isaac N	J Biol Chem (2004 Aug 13)	279 / 34514-20	PubMed Citation
Identification of novel Ah receptor agonists using a high-throughput green fluorescent protein-based ...	Nagy, Scott R; Liu, Gang; Lam, Kit S; Denison, Michael S	Biochemistry (2002 Jan 22)	41 / 861-8	PubMed Citation
Identification of phosphorylation sites in keratinocyte transglutaminase.	Rice, R H; Mehrpouyan, M; Quin, Q; Phillips, M A; Lee, Y M	Biochem J (1996 Dec 1)	320 (Pt 2) / 547-50	PubMed Citation

Identification of potent inhibitors of the chicken soluble epoxide hydrolase.	Shihadih, Diyala S; Harris, Todd R; Yang, Jun; Merzlikin, Oleg; Lee, Kin Sing S; Hammock, Bruce D; Morisseau, Christophe	Bioorg Med Chem Lett (2015 Jan 15)	25 / 276-9	PubMed Citation
Identification of proteins adducted by reactive metabolites of naphthalene and 1-nitronaphthalene in ...	Lin, Ching Yu; Boland, Bridget C; Lee, Young Jin; Salemi, Michelle R; Morin, Dexter; Miller, Lisa A; Plopper, Charles G; Buckpitt, Alan R	Proteomics (2006 Feb)	6 / 972-82	PubMed Citation
Identification of proteins adducted by reactive naphthalene metabolites in vitro.	Isbell, Margaret A; Morin, Dexter; Boland, Bridget; Buckpitt, Alan; Salemi, Michelle; Presley, Jack	Proteomics (2005 Nov)	5 / 4197-204	PubMed Citation
Identification of two epoxide hydrolases in <i>Caenorhabditis elegans</i> that metabolize mammalian lipid s ...	Harris, Todd R; Aronov, Pavel A; Jones, Paul D; Tanaka, Hiromasa; Arand, Michael; Hammock, Bruce D	Arch Biochem Biophys (2008 Apr 15)	472 / 139-49	PubMed Citation
Identification, characterization, and ontogeny of a second cytochrome P450 3A gene from the fresh wa ...	Kullman, S W; Hinton, D E	Mol Reprod Dev (2001 Feb)	58 / 149-58	PubMed Citation
Identification, expression, and purification of a pyrethroid-hydrolyzing carboxylesterase from mouse ...	Stok, Jeanette E; Huang, Huazhang; Jones, Paul D; Wheelock, Craig E; Morisseau, Christophe; Hammock, Bruce D	J Biol Chem (2004 Jul 9)	279 / 29863-9	PubMed Citation
IGF-1 does not moderate the time-dependent transcriptional patterns of key homeostatic genes induced ...	Wheeler, C A; Jafarzadeh, S R; Rocke, D M; Grodzinsky, A J	Osteoarthritis Cartilage (2009 Jul)	17 / 944-52	PubMed Citation
Immunoanalysis for environmental monitoring and human health.	Gee, Shirley J; Kennedy, Ivan R; Lee, N Alice; Ohkawa, Hideo; Prapamontol, Tippawan; Xu, Ting	Anal Bioanal Chem (2016 Sep)	408 / 5959-61	PubMed Citation
Immunoassay for monitoring environmental and human exposure to the polybrominated diphenyl ether BDE ...	Ahn, Ki Chang; Gee, Shirley J; Tsai, Hsing-Ju; Bennett, Deborah; Nishioka, Marcia G; Blum, Arlene; Fishman, Elana; Hammock, Bruce D	Environ Sci Technol (2009 Oct 15)	43 / 7784-90	PubMed Citation
Immunoassay techniques for detection of the herbicide simazine based on use of oppositely charged wa ...	Yazynina, E V; Zherdev, A V; Dzantiev, B B; Izumrudov, V A; Gee, S J; Hammock, B D	Anal Chem (1999 Aug 15)	71 / 3538-43	PubMed Citation
Immunoassays and biosensors for monitoring environmental and human exposure to pyrethroid insecticid ...	Ahn, Ki Chang; Kim, Hee-Joo; McCoy, Mark R; Gee, Shirley J; Hammock, Bruce D	J Agric Food Chem (2011 Apr 13)	59 / 2792-802	PubMed Citation
Immunochemical analysis of 3-phenoxybenzoic acid, a biomarker of forestry worker exposure to pyrethr ...	Ahn, Ki Chang; Gee, Shirley J; Kim, Hee-Joo; Aronov, Pavel A; Vega, Helen; Krieger, Robert I; Hammock, Bruce D	Anal Bioanal Chem (2011 Sep)	401 / 1285-93	PubMed Citation
Immunochemical screening of pesticides (simazine and cypermethrin) in orange oil.	Nichkova, Mikaela; Fu, Xun; Yang, Zheng; Zhong, Ping; Sanborn, James R; Chang, Dan; Gee, Shirley J; Hammock, Bruce D	J Agric Food Chem (2009 Jul 8)	57 / 5673-9	PubMed Citation
Immunocytochemical localization of nonluteal ovarian relaxin.	Blankenship, T; Stewart, D R; Benirschke, K; King, B; Lasley, B L	J Reprod Med (1994 Apr)	39 / 235-40	PubMed Citation
Impact of ethanol on the natural attenuation of MTBE in a normally sulfate-reducing aquifer.	Mackay, Doug; de Sieyes, Nick; Einarsen, Murray; Feris, Kevin; Pappas, Alex; Wood, Isaac; Jacobson, Lisa; Justice, Larry; Noske, Mark; Wilson, John; Adair, Cherri; Scow, Kate	Environ Sci Technol (2007 Mar 15)	41 / 2015-21	PubMed Citation
Impact of soluble epoxide hydrolase and epoxyeicosanoids on human health.	Morisseau, Christophe; Hammock, Bruce D	Annu Rev Pharmacol Toxicol (2013)	53 / 37-58	PubMed Citation

Impact of soluble epoxide hydrolase inhibition on early kidney damage in hyperglycemic overweight mice	Roche, Clothilde; Guerrot, Dominique; Harouki, Najah; Duflot, Thomas; Besnier, Marie; Rémy-Jouet, Isabelle; Renet, Sylvanie; Dumesnil, Anaïs; Lejeune, Annie; Morisseau, Christophe; Richard, Vincent; Bellien, Jeremy	Prostaglandins Other Lipid Mediat (2015 Jul)	120 / 148-54	PubMed Citation
Impact of trichloroethylene and toluene on nitrogen cycling in soil.	Fuller, M E; Scow, K M	Appl Environ Microbiol (1997 Oct)	63 / 4015-9	PubMed Citation
Impacts of an ethanol-blended fuel release on groundwater and fate of produced methane: Simulation of ...	Rasa, Ehsan; Bekins, Barbara A; Mackay, Douglas M; de Sieyes, Nicholas R; Wilson, John T; Feris, Kevin P; Wood, Isaac A; Scow, Kate M	Water Resour Res (2013 Aug)	49 / 4907-4926	PubMed Citation
Impacts of Antioxidants on Hydroxyl Radical Production from Individual and Mixed Transition Metals in ...	Charrier, Jessica G; Anastasio, Cort	Atmos Environ (2011 Nov)	45 / 7555-7562	PubMed Citation
Impacts of different N management regimes on nitrifier and denitrifier communities and N cycling in ...	Kong, Angela Y Y; Hristova, Krassimira; Scow, Kate M; Six, Johan	Soil Biol Biochem ()	42 / 1523-1533	PubMed Citation
Impedance Biosensors: Applications to Sustainability and Remaining Technical Challenges.	Radhakrishnan, Rajeswaran; Suni, Ian I; Bever, Candace S; Hammock, Bruce D	ACS Sustain Chem Eng (2014 Jul 7)	2 / 1649-1655	PubMed Citation
Improved identification of metabolites in complex mixtures using HSQC NMR spectroscopy.	Xi, Yuanxin; de Ropp, Jeffrey S; Viant, Mark R; Woodruff, David L; Yu, Ping	Anal Chim Acta (2008 May 5)	614 / 127-33	PubMed Citation
In cellulo phosphorylation induces pharmacological reprogramming of maurocalcin, a cell-penetrating ...	Ronjat, Michel; Feng, Wei; Dardevet, Lucie; Dong, Yao; Al Khouri, Sawsan; Chatelain, Franck C; Vialla, Virginie; Chahboun, Samir; Lesage, Florian; Darbon, Hervé; Pessah, Isaac N; De Waard, Michel	Proc Natl Acad Sci U S A (2016 Apr 26)	113 / E2460-8	PubMed Citation
In Situ Biotreatment of TBA with Recirculation/Oxygenation.	North, Katharine P; Mackay, Douglas M; Kayne, Julian S; Petersen, Daniel; Rasa, Ehsan; Rastegarzadeh, Laleh; Holland, Reef B; Scow, Kate M	Ground Water Monit Remediat (2012)	32 / 52-62	PubMed Citation
In situ MTBE biodegradation supported by diffusive oxygen release.	Wilson, Ryan D; Mackay, Douglas M; Scow, Kate M	Environ Sci Technol (2002 Jan 15)	36 / 190-9	PubMed Citation
In situ naphthalene bioactivation and nasal airflow cause region-specific injury patterns in the nasal ...	Lee, Myong Gyong; Phimister, Andrew; Morrin, Dexter; Buckpitt, Alan; Plopper, Charles	J Pharmacol Exp Ther (2005 Jul)	314 / 103-10	PubMed Citation
In vitro and in vivo metabolism of N-adamantyl substituted urea-based soluble epoxide hydrolase inhibitors	Liu, Jun-Yan; Tsai, Hsing-Ju; Morisseau, Christophe; Lango, Jozsef; Hwang, Sung Hee; Watanabe, Takaho; Kim, In-Hae; Hammock, Bruce D	Biochem Pharmacol (2015 Dec 15)	98 / 718-31	PubMed Citation
In vitro biologic activities of the antimicrobials triclocarban, its analogs, and tricosan in bioassays	Ahn, Ki Chang; Zhao, Bin; Chen, Jiangang; Cherednichenko, Gennady; Sanmarti, Enio; Denison, Michael S; Lasley, Bill; Pessah, Isaac N; Kultz, Dietmar; Chang, Daniel P Y; Gee, Shirley J; Hammock, Bruce D	Environ Health Perspect (2008 Sep)	116 / 1203-10	PubMed Citation
In vitro fermentability of human milk oligosaccharides by several strains of bifidobacteria.	Ward, Robert E; Ninonuevo, Milady; Mills, David A; Lebrilla, Carlito B; German, J Bruce	Mol Nutr Food Res (2007 Nov)	51 / 1398-405	PubMed Citation
In vitro fermentation of breast milk oligosaccharides by <i>Bifidobacterium infantis</i> and <i>Lactobacillus ...</i>	Ward, Robert E; Ninonuevo, Milady; Mills, David A; Lebrilla, Carlito B; German, J Bruce	Appl Environ Microbiol (2006 Jun)	72 / 4497-9	PubMed Citation
In vitro glucuronidation of the antibacterial triclocarban and its oxidative metabolites.	Schebb, N H; Franze, B; Maul, R; Ranganathan, A; Hammock, B D	Drug Metab Dispos (2012 Jan)	40 / 25-31	PubMed Citation

In vitro metabolism of the mammalian soluble epoxide hydrolase inhibitor, 1-cyclohexyl-3-dodecyl-ure ...	Watanabe, Takaho; Morisseau, Christophe; Newman, John W; Hammock, Bruce D	Drug Metab Dispos (2003 Jul)	31 / 846-53	PubMed Citation
In vivo effects of ozone exposure on protein adduct formation by 1-nitronaphthalene in rat lung.	Wheelock, Asa M; Boland, Bridget C; Isbell, Margaret; Morin, Dexter; Wegesser, Teresa C; Plopper, Charles G; Buckpitt, Alan R	Am J Respir Cell Mol Biol (2005 Aug)	33 / 130-7	PubMed Citation
In vivo modulation of 17 beta-estradiol-induced vitellogenin synthesis and estrogen receptor in rain ...	Anderson, M J; Olsen, H; Matsumura, F; Hinton, D E	Toxicol Appl Pharmacol (1996 Apr)	137 / 210-8	PubMed Citation
Inactivation of creatine kinase by S-glutathionylation of the active-site cysteine residue.	Reddy, S; Jones, A D; Cross, C E; Wong, P S; Van Der Vliet, A	Biochem J (2000 May 1)	347 Pt 3 / 821-7	PubMed Citation
Increase of EPA-derived hydroxy, epoxy and dihydroxy fatty acid levels in human plasma after a singl ...	Schuchardt, Jan Philipp; Schneider, Inga; Willenberg, Ina; Yang, Jun; Hammock, Bruce D; Hahn, Andreas; Schebb, Nils Helge	Prostaglandins Other Lipid Mediat (2014 Jun)	109-111 / 23-31	PubMed Citation
Increased blood pressure in mice lacking cytochrome P450 2J5.	Athirakul, Krairerk; Bradbury, J Alyce; Graves, Joan P; DeGraff, Laura M; Ma, Jixiang; Zhao, Yun; Couse, John F; Quigley, Raymond; Harder, David R; Zhao, Xueying; Imig, John D; Pedersen, Theresa L; Newman, John W; Hammock, Bruce D; Conley, Alan J; Korach, Kenneth S; Coffman, Thomas M; Zeldin, Darryl C	FASEB J (2008 Dec)	22 / 4096-108	PubMed Citation
Increasing uptake and bioactivation with development positively modulate diazinon toxicity in early ...	Hamm, J T; Wilson, B W; Hinton, D E	Toxicol Sci (2001 Jun)	61 / 304-13	PubMed Citation
Independent actions on cyclin-dependent kinases and aryl hydrocarbon receptor mediate the antiprolif ...	Knockaert, Marie; Blondel, Marc; Bach, Stéphane; Leost, Maryse; Elbi, Cem; Hager, Gordon L; Nagy, Scott R; Han, Dalho; Denison, Michael; Ffrench, Martine; Ryan, Xiaozhou P; Magiatis, Prokopios; Polychronopoulos, Panos; Greengard, Paul; Skaltsounis, Leandros; Meijer, Laurent	Oncogene (2004 May 27)	23 / 4400-12	PubMed Citation
Indirect homologous competitive enzyme-linked immunosorbent assay for the detection of a class of gl ...	Ranganathan, Anupama; Paradise, Grace A; Hansen, Chad A; McCoy, Mark R; Gee, Shirley J; Zhong, Ping; Chang, Dan; Hammock, Bruce D	J Agric Food Chem (2013 Jul 17)	61 / 6964-70	PubMed Citation
Individual metabolism should guide agriculture toward foods for improved health and nutrition.	Watkins, S M; Hammock, B D; Newman, J W; German, J B	Am J Clin Nutr (2001 Sep)	74 / 283-6	PubMed Citation
Individual variability in esterase activity and CYP1A levels in Chinook salmon (<i>Oncorhynchus tshawyti</i> ...	Wheelock, Craig E; Eder, Kai J; Werner, Inge; Huang, Huazhang; Jones, Paul D; Brammell, Benjamin F; Elskus, Adria A; Hammock, Bruce D	Aquat Toxicol (2005 Aug 30)	74 / 172-92	PubMed Citation
Individual variation in lipidomic profiles of healthy subjects in response to omega-3 Fatty acids.	Nording, Malin L; Yang, Jun; Georgi, Katrin; Hegedus Karbowski, Christine; German, J Bruce; Weiss, Robert H; Hogg, Ronald J; Trygg, Johan; Hammock, Bruce D; Zivkovic, Angela M	PLoS One (2013)	8 / e76575	PubMed Citation
Induction of cyp1a1 is a nonspecific biomarker of aryl hydrocarbon receptor activation: results of 1 ...	Hu, Wenyue; Sorrentino, Claudio; Denison, Michael S; Kolaja, Kyle; Fielden, Mark R	Mol Pharmacol (2007 Jun)	71 / 1475-86	PubMed Citation
Induction of inflammation in vascular endothelial cells by metal oxide nanoparticles: effect of part ...	Gojova, Andrea; Guo, Bing; Kota, Rama S; Rutledge, John C; Kennedy, Ian M; Barakat, Abdul I	Environ Health Perspect (2007 Mar)	115 / 403-9	PubMed Citation

Induction of tolerance to naphthalene in Clara cells is dependent on a stable phenotypic adaptation ...	West, Jay A A; Williams, Kurt J; Toskala, Elina; Nishio, Susan J; Fleschner, Chad A; Forman, Henry Jay; Buckpitt, Alan R; Plopper, Charles G	Am J Pathol (2002 Mar)	160 / 1115-27	PubMed Citation
Inflammatory lipid mediators in adipocyte function and obesity.	Iyer, Abishek; Fairlie, David P; Prins, Johannes B; Hammock, Bruce D; Brown, Lindsay	Nat Rev Endocrinol (2010 Feb)	6 / 71-82	PubMed Citation
Influence of container adsorption upon observed pyrethroid toxicity to Ceriodaphnia dubia and Hyalella azteca.	Wheelock, Craig E; Miller, Jeff L; Miller, Mike J; Phillips, Bryn M; Gee, Shirley J; Tjeerdema, Ronald S; Hammock, Bruce D	Aquat Toxicol (2005 Aug 15)	74 / 47-52	PubMed Citation
Influence of nitrogen source on NDMA formation during chlorination of diuron.	Chen, Wei-Hsiang; Young, Thomas M	Water Res (2009 Jul)	43 / 3047-56	PubMed Citation
Influence of particle size on persistence and clearance of aerosolized silver nanoparticles in the rat.	Anderson, Donald S; Patchin, Esther S; Silva, Rona M; Uyeminami, Dale L; Sharmah, Arjun; Guo, Ting; Das, Gautam K; Brown, Jared M; Shannahan, Jonathan; Gordon, Terry; Chen, Lung Chi; Pinkerton, Kent E; Van Winkle, Laura S	Toxicol Sci (2015 Apr)	144 / 366-81	PubMed Citation
Influence of sulfur oxidation state and steric bulk upon trifluoromethyl ketone (TFK) binding kinetics.	Wheelock, Craig E; Nishi, Kosuke; Ying, Andy; Jones, Paul D; Colvin, Michael E; Olmstead, Marilyn M; Hammock, Bruce D	Bioorg Med Chem (2008 Feb 15)	16 / 2114-30	PubMed Citation
Ingestion of the epoxide hydrolase inhibitor AUDA modulates immune responses of the mosquito, <i>Culex pipiens</i> .	Xu, Jiawen; Morisseau, Christophe; Yang, Jun; Lee, Kin Sing Stephen; Kamita, Shizuo G; Hammock, Bruce D	Insect Biochem Mol Biol ()	76 / 62-9	PubMed Citation
Inhaled naphthalene causes dose dependent Clara cell cytotoxicity in mice but not in rats.	West, J A; Paklehham, G; Morin, D; Fleschner, C A; Buckpitt, A R; Plopper, C G	Toxicol Appl Pharmacol (2001 Jun 1)	173 / 114-9	PubMed Citation
Inhibiting an Epoxide Hydrolase Virulence Factor from <i>Pseudomonas aeruginosa</i> Protects CFTR.	Bahl, Christopher D; Hvorecny, Kelli L; Bomberger, Jennifer M; Stanton, Bruce A; Hammock, Bruce D; Morisseau, Christophe; Madden, Dean R	Angew Chem Int Ed Engl (2015 Aug 17)	54 / 9881-5	PubMed Citation
Inhibition of 2-arachidonoylglycerol catabolism modulates vasoconstriction of rat middle cerebral artery.	Hillard, C J; Ho, W-Sv; Thompson, J; Gauthier, K M; Wheelock, C E; Huang, H; Hammock, B D	Br J Pharmacol (2007 Nov)	152 / 691-8	PubMed Citation
Inhibition of microsomal epoxide hydrolases by ureas, amides, and amines.	Morisseau, C; Newman, J W; Dowdy, D L; Goodrow, M H; Hammock, B D	Chem Res Toxicol (2001 Apr)	14 / 409-15	PubMed Citation
Inhibition of smooth muscle proliferation by urea-based alkanoic acids via peroxisome proliferator-a ...	Ng, Valerie Y; Morisseau, Christophe; Falck, John R; Hammock, Bruce D; Kroetz, Deanna L	Arterioscler Thromb Vasc Biol (2006 Nov)	26 / 2462-8	PubMed Citation
Inhibition of soluble epoxide hydrolase attenuates hepatic fibrosis and endoplasmic reticulum stress ...	Harris, Todd R; Bettaieb, Ahmed; Kodani, Sean; Dong, Hua; Myers, Richard; Chiamvimonvat, Nipavan; Haj, Fawaz G; Hammock, Bruce D	Toxicol Appl Pharmacol (2015 Jul 15)	286 / 102-11	PubMed Citation
Inhibition of soluble epoxide hydrolase by <i>cis</i> -4-[4-(3-adamantan-1-ylureido)cyclohexyl-oxy]benzoic acid.	Neckar, Jan; Kopkan, Libor; Huskova, Zuzana; Kolar, Frantisek; Papousek, Frantisek; Kramer, Herbert J; Hwang, Sung Hee; Hammock, Bruce D; Imig, John D; Maly, Jiri; Netuka, Ivan; Osýadal, Bohuslav; Cervenka, Ludek	Clin Sci (Lond) (2012 Jun)	122 / 513-25	PubMed Citation
Inhibition of soluble epoxide hydrolase by fulvestrant and sulfoxides.	Morisseau, Christophe; Pakhomova, Svitlana; Hwang, Sung Hee; Newcomer, Marcia E; Hammock, Bruce D	Bioorg Med Chem Lett (2013 Jul 1)	23 / 3818-21	PubMed Citation

Inhibition of soluble epoxide hydrolase contributes to the anti-inflammatory effect of antimicrobial ...	Liu, Jun-Yan; Qiu, Hong; Morrisseau, Christophe; Hwang, Sung Hee; Tsai, Hsing-Ju; Ulu, Arzu; Chiamvimonvat, Nipavan; Hammock, Bruce D	Toxicol Appl Pharmacol (2011 Sep 1)	255 / 200-6	PubMed Citation
Inhibition of soluble epoxide hydrolase does not improve the course of congestive heart failure and ...	Červenka, L; Melenovský, V; Husková, Z; Sporková, A; Bürgelová, M; Škaroupková, P; Hwang, S H; Hammock, B D; Imig, J D; Sadowski, J	Physiol Res (2015)	64 / 857-73	PubMed Citation
Inhibition of soluble epoxide hydrolase does not protect against endotoxin-mediated hepatic inflamma ...	Fife, Kimberly L; Liu, Yingmei; Schmelzer, Kara R; Tsai, Hsing-Ju; Kim, In-Hae; Morrisseau, Christophe; Hammock, Bruce D; Kroetz, Deanna L	J Pharmacol Exp Ther (2008 Dec)	327 / 707-15	PubMed Citation
Inhibition of soluble epoxide hydrolase enhances the anti-inflammatory effects of aspirin and 5-lipo ...	Liu, Jun-Yan; Yang, Jun; Inceoglu, Bora; Qiu, Hong; Ulu, Arzu; Hwang, Sung-Hee; Chiamvimonvat, Nipavan; Hammock, Bruce D	Biochem Pharmacol (2010 Mar 15)	79 / 880-7	PubMed Citation
Inhibition of soluble epoxide hydrolase increases coronary perfusion in mice.	Qin, Jun; Sun, Dong; Jiang, Houli; Kandhi, Sharath; Froogh, Ghezal; Hwang, Sung Hee; Hammock, Bruce D; Wolin, Michael S; Thompson, Carl I; Hintze, Thomas H; Huang, An	Physiol Rep (2015 Jun)	3 /	PubMed Citation
Inhibition of soluble epoxide hydrolase is renoprotective in 5/6 nephrectomized Ren-2 transgenic hyp ...	Kujal, Petr; Čertíková Chábová, Vera; Škaroupková, Petra; Husková, Zuzana; Vernerová, Zdena; Kramer, Herbert J; Walkowska, Agnieszka; Kompanowska-Jezierska, Elzbieta; Sadowski, Janusz; Kitada, Kento; Nishiyama, Akira; Hwang, Sung H; Hammock, Bruce D; Imig, John D; Červenka, Luké	Clin Exp Pharmacol Physiol (2014 Mar)	41 / 227-37	PubMed Citation
Inhibition of soluble epoxide hydrolase limits niacin-induced vasodilation in mice.	Inceoglu, Ahmet B; Clifton, Heather L; Yang, Jun; Hegedus, Christine; Hammock, Bruce D; Schaefer, Saul	J Cardiovasc Pharmacol (2012 Jul)	60 / 70-5	PubMed Citation
Inhibition of soluble epoxide hydrolase modulates inflammation and autophagy in obese adipose tissue ...	López-Vicario, Cristina; Alcaraz-Quiles, José; García-Alonso, Verónica; Rius, Bibiana; Hwang, Sung H; Titos, Esther; Lopategi, Aritz; Hammock, Bruce D; Arroyo, Vicente; Clària, Joan	Proc Natl Acad Sci U S A (2015 Jan 13)	112 / 536-41	PubMed Citation
Inhibition of soluble epoxide hydrolase prevents renal interstitial fibrosis and inflammation.	Kim, Jinu; Imig, John D; Yang, Jun; Hammock, Bruce D; Padanilam, Babu J	Am J Physiol Renal Physiol (2014 Oct 15)	307 / F971-80	PubMed Citation
Inhibition of soluble epoxide hydrolase reduces LPS-induced thermal hyperalgesia and mechanical allo ...	Inceoglu, Bora; Jinks, Steven L; Schmelzer, Kara R; Waite, Troy; Kim, In Hae; Hammock, Bruce D	Life Sci (2006 Nov 10)	79 / 2311-9	PubMed Citation
Inhibition of the soluble epoxide hydrolase by tyrosine nitration.	Barbosa-Sicard, Eduardo; Frömel, Timo; Keserü, Benjamin; Brandes, Ralf P; Morrisseau, Christophe; Hammock, Bruce D; Braun, Thomas; Krüger, Marcus; Fleming, Ingrid	J Biol Chem (2009 Oct 09)	284 / 28156-63	PubMed Citation
Inhibitors of soluble epoxide hydrolase attenuate vascular smooth muscle cell proliferation.	Davis, Benjamin B; Thompson, David A; Howard, Laura L; Morrisseau, Christophe; Hammock, Bruce D; Weiss, Robert H	Proc Natl Acad Sci U S A (2002 Feb 19)	99 / 2222-7	PubMed Citation

Inorganic lanthanide nanophosphors in biotechnology.	Dosev, Dosi; Nichkova, Mikaela; Kennedy, Ian M	J Nanosci Nanotechnol (2008 Mar)	8 / 1052-67	PubMed Citation
Insecticidal efficacy of a recombinant baculovirus expressing JHE-KK, a modified juvenile hormone es ...	Bonning, B C; Possee, R D; Hammock, B D	J Invertebr Pathol (1999 Mar)	73 / 234-6	PubMed Citation
Insecticide Transfer Efficiency and Lethal Load in Argentine Ants.	Hooper-Bui, L M; Kwok, E S C; Buchholz, B A; Rust, M K; Eastmond, D A; Vogel, J S	Nucl Instrum Methods Phys Res B (2015 Oct 15)	361 / 665-669	PubMed Citation
Intakes and breast-milk concentrations of essential fatty acids are low among Bangladeshi women with ...	Yakes, Elizabeth A; Arsenault, Joanne E; Munirul Islam, M; Hossain, Mohammad B; Ahmed, Tahmeed; Bruce German, J; Gillies, Laura A; Shafiqur Rahman, Ahmed; Drake, Christiana; Jamil, Kazi M; Lewis, Bess L; Brown, Kenneth H	Br J Nutr (2011 Jun)	105 / 1660-70	PubMed Citation
Integration of immunochemical methods with other analytical techniques for pesticide residue determi ...	Lucas, A D; Gee, S J; Hammock, B D; Seiber, J N	J AOAC Int (1995 May-Jun)	78 / 585-91	PubMed Citation
Integration of liquid chromatography with immunoassay: an approach combining the strengths of both m ...	Kramer, P M; Li, Q X; Hammock, B D	J AOAC Int (1994 Sep-Oct)	77 / 1275-87	PubMed Citation
Interaction of diuron and related substituted phenylureas with the Ah receptor pathway.	Zhao, Bin; Baston, David S; Hammock, Bruce; Denison, Michael S	J Biochem Mol Toxicol (2006)	20 / 103-13	PubMed Citation
Interactions of polybrominated diphenyl ethers with the aryl hydrocarbon receptor pathway.	Peters, A K; Nijmeijer, S; Gradin, K; Backlund, M; Bergman, A; Poellinger, L; Denison, M S; Van den Berg, M	Toxicol Sci (2006 Jul)	92 / 133-42	PubMed Citation
Interparticle migration of metal cations in stream sediments as a factor in toxics transport.	Jackman, A P; Kennedy, V C; Bhatia, N	J Hazard Mater (2001 Mar 19)	82 / 27-41	PubMed Citation
Intracellular calcium oscillations in cell populations of ras-transfected I-7 subline of human HaCaT ...	Shi, B; Isseroff, R R	J Invest Dermatol (1997 Dec)	109 / 765-9	PubMed Citation
Investigation of human exposure to triclocarban after showering and preliminary evaluation of its bi ...	Schebb, Nils Helge; Inceoglu, Bora; Ahn, Ki Chang; Morisseau, Christophe; Gee, Shirley J; Hammock, Bruce D	Environ Sci Technol (2011 Apr 1)	45 / 3109-15	PubMed Citation
Investigation of polychlorinated biphenyl removal from contaminated soil using microwave-generated s ...	Di, P; Chang, D P	J Air Waste Manag Assoc (2001 Apr)	51 / 482-8	PubMed Citation
Investigation of the role of a second conserved serine in carboxylesterases via site-directed mutage ...	Stok, Jeanette E; Goloshchapov, Andrey; Song, Cheng; Wheelock, Craig E; Derbel, Maher B H; Morisseau, Christophe; Hammock, Bruce D	Arch Biochem Biophys (2004 Oct 15)	430 / 247-55	PubMed Citation
Involvement of a novel enzyme, MdpA, in methyl tert-butyl ether degradation in Methylibium petroleip ...	Schmidt, Radomir; Battaglia, Vince; Scow, Kate; Kane, Staci; Hristova, Krassimira R	Appl Environ Microbiol (2008 Nov)	74 / 6631-8	PubMed Citation
Involvement of CYP 2C9 in mediating the proinflammatory effects of linoleic acid in vascular endothe ...	Viswanathan, Saraswathi; Hammock, Bruce D; Newman, John W; Meeranari, Purushothaman; Toborek, Michal; Hennig, Bernhard	J Am Coll Nutr (2003 Dec)	22 / 502-10	PubMed Citation
Ion trap mass spectrometry for kinetic studies of stable isotope labeled vitamin A at low enrichment ...	Dueker, S R; Mercer, R S; Jones, A D; Clifford, A J	Anal Chem (1998 Apr 1)	70 / 1369-74	PubMed Citation
Isolate PM1 populations are dominant and novel methyl tert-butyl ether-degrading bacterial in compos ...	Brunns, M A; Hanson, J R; Mefford, J; Scow, K M	Environ Microbiol (2001 Mar)	3 / 220-5	PubMed Citation
Isolation and characterization of a novel lepidopteran-selective toxin from the venom of South India ...	Wudayagiri, R; Inceoglu, B; Herrmann, R; Derbel, M; Choudary, P V; Hammock, B D	BMC Biochem (2001)	2 / 16	PubMed Citation

Isolation and characterization of a novel type of neurotoxic peptide from the venom of the South African ...	Inceoglu, B; Lango, J; Wu, J; Hawkins, P; Southern, J; Hammock, B D	Eur J Biochem (2001 Oct)	268 / 5407-13	PubMed Citation
Isolation and identification of a pyrrolidine glutathione conjugate metabolite of the pyrrolizidine alkaloid ...	Lame, M W; Morin, D; Jones, A D; Segall, H J; Wilson, D W	Toxicol Lett (1990 May)	51 / 321-9	PubMed Citation
Isolation of alpaca anti-hapten heavy chain single domain antibodies for development of sensitive immunoassays	Kim, Hee-Joo; McCoy, Mark R; Majkova, Zuzana; Dechant, Julie E; Gee, Shirley J; Tabares-da Rosa, Sofia; González-Sapienza, Gualberto G; Hammock, Bruce D	Anal Chem (2012 Jan 17)	84 / 1165-71	PubMed Citation
Isolation of alpaca anti-idiotypic heavy-chain single-domain antibody for the aflatoxin immunoassay.	Wang, Yanru; Li, Peiwu; Majkova, Zuzana; Bever, Candace R S; Kim, Hee Joo; Zhang, Qi; Dechant, Julie E; Gee, Shirley J; Hammock, Bruce D	Anal Chem (2013 Sep 3)	85 / 8298-303	PubMed Citation
Isolation of rodent airway epithelial cell proteins facilitates in vivo proteomics studies of lung tissue	Wheelock, Asa M; Zhang, Lu; Tran, Mai-Uyen; Morin, Dexter; Penn, Sharron; Buckpitt, Alan R; Plopper, Charles G	Am J Physiol Lung Cell Mol Physiol (2004 Feb)	286 / L399-410	PubMed Citation
Isotope-labeled immunoassays without radiation waste.	Shan, G; Huang, W; Gee, S J; Buchholz, B A; Vogel, J S; Hammock, B D	Proc Natl Acad Sci U S A (2000 Mar 14)	97 / 2445-9	PubMed Citation
Joint acute toxicity of esfenvalerate and diazinon to larval fathead minnows (<i>Pimephales promelas</i>).	Denton, Debra L; Wheelock, Craig E; Murray, Shauna A; Deanovic, Linda A; Hammock, Bruce D; Hinton, David E	Environ Toxicol Chem (2003 Feb)	22 / 336-41	PubMed Citation
Juvenile hormone (JH) esterase of the mosquito <i>Culex quinquefasciatus</i> is not a target of the JH analog ...	Kamita, Shizuo G; Samra, Aman I; Liu, Jun-Yan; Cornel, Anthony J; Hammock, Bruce D	PLoS One ()	6 / e28392	PubMed Citation
Keratinocyte differentiation marker suppression by arsenic: mediation by AP1 response elements and a ...	Jessen, B A; Qin, Q; Phillips, M A; Phillips, D L; Rice, R H	Toxicol Appl Pharmacol (2001 Aug 1)	174 / 302-11	PubMed Citation
Keratinocyte transglutaminase promoter analysis. Identification of a functional response element.	Mariniello, L; Qin, Q; Jessen, B A; Rice, R H	J Biol Chem (1995 Dec 29)	270 / 31358-63	PubMed Citation
Laboratory methods for evaluating early pregnancy loss in an industry-based population.	Lasley, B L; Lohstroh, P; Kuo, A; Gold, E B; Eskenazi, B; Samuels, S J; Stewart, D R; Overstreet, J W	Am J Ind Med (1995 Dec)	28 / 771-81	PubMed Citation
Lack of ligand-selective binding of the aryl hydrocarbon receptor to putative DNA binding sites regulates ...	DeGroot, Danica E; Hayashi, Ai; Denison, Michael S	Arch Biochem Biophys (2014 Jan 1)	541 / 13-20	PubMed Citation
Lactosomes: structural and compositional classification of unique nanometer-sized protein lipid particles ...	Argov-Argaman, Nurit; Smilowitz, Jennifer T; Bricarello, Daniel A; Barboza, Mariana; Lerno, Larry; Froehlich, John W; Lee, Hyeyoung; Zivkovic, Angela M; Lemay, Danielle G; Freeman, Samara; Lebrilla, Carlito B; Parikh, Atul N; German, J Bruce	J Agric Food Chem (2010 Nov 10)	58 / 11234-42	PubMed Citation
Land use and climatic factors structure regional patterns in soil microbial communities.	Drenovsky, Rebecca E; Steenwerth, Kerri L; Jackson, Louise E; Scow, Kate M	Glob Ecol Biogeogr (2010 Jan)	19 / 27-39	PubMed Citation
Laser desorption/ionization time-of-flight mass spectrometry of nitrated polycyclic aromatic hydrocarbons	Dotter, R N; Smith, C H; Young, M K; Kelly, P B; Jones, A D; McCauley, E M; Chang, D P	Anal Chem (1996 Jul 15)	68 / 2319-24	PubMed Citation
Lasing droplets in a microfabricated channel.	Tanyeri, Melikhan; Perron, Richard; Kennedy, Ian M	Opt Lett (2007 Sep 1)	32 / 2529-31	PubMed Citation
Leukotoxin-diol: a putative toxic mediator involved in acute respiratory distress syndrome.	Zheng, J; Plopper, C G; Lakritz, J; Storms, D H; Hammock, B D	Am J Respir Cell Mol Biol (2001 Oct)	25 / 434-8	PubMed Citation
Ligand promiscuity of aryl hydrocarbon receptor agonists and antagonists revealed by site-directed mutagenesis	Soshilov, Anatoly A; Denison, Michael S	Mol Cell Biol (2014 May)	34 / 1707-19	PubMed Citation
Linking toluene degradation with specific microbial populations in soil.	Hanson, J R; Macalady, J L; Harris, D; Scow, K M	Appl Environ Microbiol (1999 Dec)	65 / 5403-8	PubMed Citation

Lipid mediator serum profiles in asthmatics significantly shift following dietary supplementation wi ...	Lundström, Susanna L; Yang, Jun; Brannan, John D; Haeggström, Jesper Z; Hammock, Bruce D; Nair, Parameswaran; O'Byrne, Paul; Dahlén, Sven-Erik; Wheelock, Craig E	Mol Nutr Food Res (2013 Aug)	57 / 1378-89	PubMed Citation
Lipid sulfates and sulfonates are allosteric competitive inhibitors of the N-terminal phosphatase ac ...	Tran, Katherine L; Aronov, Pavel A; Tanaka, Hiromasa; Newman, John W; Hammock, Bruce D; Morrisseau, Christophe	Biochemistry (2005 Sep 13)	44 / 12179-87	PubMed Citation
Lipidomics and lipid profiling in metabolomics.	German, J Bruce; Gillies, Laura A; Smilowitz, Jennifer T; Zivkovic, Angela M; Watkins, Steven M	Curr Opin Lipidol (2007 Feb)	18 / 66-71	PubMed Citation
Lipoprotein lipase releases esterified oxylipins from very low-density lipoproteins.	Shearer, Gregory C; Newman, John W	Prostaglandins Leukot Essent Fatty Acids (2008 Dec)	79 / 215-22	PubMed Citation
Lipoxin generation is related to soluble epoxide hydrolase activity in severe asthma.	Ono, Emiko; Dutile, Stefanie; Kazani, Shamsah; Wechsler, Michael E; Yang, Jun; Hammock, Bruce D; Douda, David Nobuhiro; Tabet, Yacine; Khaddaj-Mallat, Rayan; Sirois, Marco; Sirois, Chantal; Rizcallah, Edmond; Rousseau, Eric; Martin, Richard; Sutherland, E Rand; Castro, Mario; Jarjour, Nizar N; Israel, Elliot; Levy, Bruce D; National Heart, Lung, and Blood Institute's Asthma Clinical Research Network	Am J Respir Crit Care Med (2014 Oct 15)	190 / 886-97	PubMed Citation
Localization of hair shaft protein VSIG8 in the hair follicle, nail unit, and oral cavity.	Rice, Robert H; Phillips, Marjorie A; Sundberg, John P	J Invest Dermatol (2011 Sep)	131 / 1936-8	PubMed Citation
Location dependent biases in automatic 96-well microplate readers.	Harrison, R O; Hammock, B D	J Assoc Off Anal Chem (1988 Sep-Oct)	71 / 981-7	PubMed Citation
Long-term faithful recapitulation of transglutaminase 1-deficient lamellar ichthyosis in a skin-huma ...	Aufenvenne, Karin; Rice, Robert H; Hausser, Ingrid; Oji, Vinzenz; Hennies, Hans Christian; Rio, Marcela Del; Traupe, Heiko; Larcher, Fernando	J Invest Dermatol (2012 Jul)	132 / 1918-21	PubMed Citation
Long-term ozone exposure attenuates 1-nitronaphthalene-induced cytotoxicity in nasal mucosa.	Lee, Myong Gyong; Wheelock, Asa M; Boland, Bridget; Plopper, Charles G	Am J Respir Cell Mol Biol (2008 Mar)	38 / 300-9	PubMed Citation
Looking into the future of foods and health.	German, J Bruce	Innovation (North Syd) (2008 Jul)	10 / 109-120	PubMed Citation
Low-level neonatal thimerosal exposure: further evaluation of altered neurotoxic potential in SJL mi ...	Berman, Robert F; Pessah, Isaac N; Mouton, Peter R; Mav, Deepak; Harry, Jean	Toxicol Sci (2008 Feb)	101 / 294-309	PubMed Citation
Luminescence luteinizing hormone/choriogonadotropin (LH/CG) bioassay: measurement of serum bioactive ...	Jia, X C; Perlas, E; Su, J G; Moran, F; Lasley, B L; Ny, T; Hsueh, A J	Biol Reprod (1993 Dec)	49 / 1310-6	PubMed Citation
Luminescent lanthanide nanoparticles as labels in DNA microarrays for quantification of methyl tert ...	Son, Ahjeong; Nichkova, Mikaela; Dosev, Dosi; Kennedy, Ian M; Hristova, Krassimira R	J Nanosci Nanotechnol (2008 May)	8 / 2463-7	PubMed Citation
Magnetic bead-based phage anti-immunocomplex assay (PHAIA) for the detection of the urinary biomarke ...	Kim, Hee-Joo; Ahn, Ki Chang; González-Techera, Andrés; González-Sapienza, Gualberto G; Gee, Shirley J; Hammock, Bruce D	Anal Biochem (2009 Mar 1)	386 / 45-52	PubMed Citation
Magnetic scanometric DNA microarray detection of methyl tertiary butyl ether degrading bacteria for ...	Chan, Mei-Lin; Jaramillo, Gerardo; Hristova, Krassimira R; Horsley, David A	Biosens Bioelectron (2011 Jan 15)	26 / 2060-6	PubMed Citation

Magnetic/luminescent core/shell particles synthesized by spray pyrolysis and their application in im ...	Dosev, Dosi; Nichkova, Mikaela; Dumas, Randy K; Gee, Shirley J; Hammock, Bruce D; Liu, Kai; Kennedy, Ian M	Nanotechnology (2007 Jul)	18 / 55102	PubMed Citation
Malassezia yeasts produce a collection of exceptionally potent activators of the Ah (dioxin) receptor ...	Magiatis, Prokopios; Pappas, Periklis; Gaitanis, George; Mexia, Nikitia; Mellou, Eleni; Galanou, Maria; Vlachos, Christophoros; Stathopoulou, Konstantina; Skaltsounis, Alexios Leandros; Marselos, Marios; Velegaki, Aristea; Denison, Michael S; Bassukas, Ioannis D	J Invest Dermatol (2013 Aug)	133 / 2023-30	PubMed Citation
Manually operable on-chip bistable pneumatic microstructures for microfluidic manipulations.	Chen, Arnold; Pan, Tingrui	Lab Chip (2014 Sep 7)	14 / 3401-8	PubMed Citation
Mass discharge in a tracer plume: evaluation of the Theissen Polygon Method.	Mackay, Douglas M; Einarson, Murray D; Kaiser, Phil M; Nozawa-Inoue, Mamie; Goyal, Sham; Chakraborty, Irina; Rasa, Ehsan; Scow, Kate M	Ground Water (2012 Nov-Dec)	50 / 895-907	PubMed Citation
Mass spectrometry-based metabolomics.	Dettmer, Katja; Aronov, Pavel A; Hammock, Bruce D	Mass Spectrom Rev (2007 Jan-Feb)	26 / 51-78	PubMed Citation
Maternal transfer of BDE-47 to offspring and neurobehavioral development in C57BL/6J mice.	Koenig, Claire M; Lango, Jozsef; Pessah, Isaac N; Berman, Robert F	Neurotoxicol Teratol (2012 Nov-Dec)	34 / 571-80	PubMed Citation
Mathematical model developed for environmental samples: prediction of GC/MS dioxin TEQ from XDS-CALU ...	Brown, David J; Orelion, Jean; Gordon, John D; Chu, Andrew C; Chu, Michael D; Nakamura, Masafumi; Handa, Hiroshi; Kayama, Fujio; Denison, Michael S; Clark, George C	Environ Sci Technol (2007 Jun 15)	41 / 4354-60	PubMed Citation
Mathematical model of Chlorella minutissima UTEX2341 growth and lipid production under photoheterotrophic conditions.	Yang, JinShui; Rasa, Ehsan; Tantayotai, Prapakorn; Scow, Kate M; Yuan, HongLi; Hristova, Krassimira R	Bioresour Technol (2011 Feb)	102 / 3077-82	PubMed Citation
Maximum entropy deconvolution of heterogeneity in protein modification: protein adducts of 4-hydroxy ...	Bruenner, B A; Jones, A D; German, J B	Rapid Commun Mass Spectrom (1994 Jul)	8 / 509-12	PubMed Citation
Measurement of periimplantational relaxin concentrations in the macaque using a homologous assay.	Stewart, D R; Stouffer, R; Overstreet, J W; Hendrickx, A; Lasley, B L	Endocrinology (1993 Jan)	132 / 6-12	PubMed Citation
Measurement of protein sulphydryls in response to cellular oxidative stress using gel electrophoresis ...	Spiess, Page C; Morin, Dexter; Jewell, William T; Buckpitt, Alan R	Chem Res Toxicol (2008 May)	21 / 1074-85	PubMed Citation
Measurement of soluble epoxide hydrolase (sEH) activity.	Morrisseau, Christophe; Hammock, Bruce D	Curr Protoc Toxicol (2007)	Chapter 4 / Unit 4.23	PubMed Citation
Measuring Submicron-Sized Fractionated Particulate Matter on Aluminum Impactor Disks.	Buchholz, Bruce A; Zermenio, Paula; Hwang, Hyun-Min; Young, Thomas M; Guilderson, Thomas P	Radiocarbon (2010 Aug 1)	52 / 278-285	PubMed Citation
Mechanism of soluble epoxide hydrolase. Formation of an alpha-hydroxy ester-enzyme intermediate thro ...	Borhan, B; Jones, A D; Pinot, F; Grant, D F; Kurth, M J; Hammock, B D	J Biol Chem (1995 Nov 10)	270 / 26923-30	PubMed Citation
Mechanisms of Reduced Astrocyte Surface Coverage in Cortical Neuron-Glia Co-cultures on Nanoporous G ...	Chapman, Christopher A R; Chen, Hao; Stamou, Marianna; Lein, Pamela J; Seker, Erkin	Cell Mol Bioeng (2016 Sep)	9 / 433-442	PubMed Citation
Metabolic activation of the antibacterial agent triclocarban by cytochrome P450 1A1 yielding glutath ...	Schebb, Nils Helge; Muvvala, Jaya B; Morin, Dexter; Buckpitt, Alan R; Hammock, Bruce D; Rice, Robert H	Drug Metab Dispos (2014 Jul)	42 / 1098-102	PubMed Citation
Metabolic capabilities of CYP2F2 with various pulmonary toxicants and its relative abundance in mous ...	Shultz, M A; Morin, D; Chang, A M; Buckpitt, A	J Pharmacol Exp Ther (2001 Feb)	296 / 510-9	PubMed Citation

Metabolic changes in Japanese medaka (<i>Oryzias latipes</i>) during embryogenesis and hypoxia as determine ...	Pincetich, Christopher A; Viant, Mark R; Hinton, David E; Tjeerdema, Ronald S	Comp Biochem Physiol C Toxicol Pharmacol (2005 Jan)	140 / 103-13	PubMed Citation
Metabolic pathways utilized by <i>Phanerochaete chrysosporium</i> for degradation of the cyclodiene pestici ...	Kullman, S W; Matsumura, F	Appl Environ Microbiol (1996 Feb)	62 / 593-600	PubMed Citation
Metabolic profiling of major vitamin D metabolites using Diels-Alder derivatization and ultra-perfor ...	Aronov, Pavel A; Hall, Laura M; Dettmer, Katja; Stephensen, Charles B; Hammock, Bruce D	Anal Bioanal Chem (2008 Jul)	391 / 1917-30	PubMed Citation
Metabolic profiling of murine plasma reveals an unexpected biomarker in rofecoxib-mediated cardiovas ...	Liu, Jun-Yan; Li, Ning; Yang, Jun; Li, Nan; Qiu, Hong; Ai, Ding; Chiamvimonvat, Nipavan; Zhu, Yi; Hammock, Bruce D	Proc Natl Acad Sci U S A (2010 Sep 28)	107 / 17017-22	PubMed Citation
Metabolism and pharmacokinetics of 1,3-dinitrobenzene in the rat and the hamster.	McEuen, S F; Miller, M G	Drug Metab Dispos (1991 May-Jun)	19 / 661-6	PubMed Citation
Metabolism and testicular toxicity of 1,3-dinitrobenzene in rats of different ages.	Brown, C D; Forman, C L; McEuen, S F; Miller, M G	Fundam Appl Toxicol (1994 Oct)	23 / 439-46	PubMed Citation
Metabolism and testicular toxicity of 1,3-dinitrobenzene in the rat: evaluation of the stage-synchro ...	Brown, C D; Jacobson, C F; Miller, M G	Reprod Toxicol (1997 Jan-Feb)	11 / 57-67	PubMed Citation
Metabolism of 2,2',3,3',6,6'-hexachlorobiphenyl (PCB 136) atropisomers in tissue slices from phenoba ...	Wu, Xianai; Kania-Korwel, Izabela; Chen, Hao; Stamou, Marianna; Dammanahalli, Karigowda J; Duffel, Michael; Lein, Pamela J; Lehmler, Hans-Joachim	Xenobiotica (2013 Nov)	43 / 933-47	PubMed Citation
Metabolism of [14C]monocrotaline by isolated perfused rat liver.	Lame, M W; Jones, A D; Morin, D; Segall, H J	Drug Metab Dispos (1991 Mar-Apr)	19 / 516-24	PubMed Citation
Metabolism of [14C]naphthalene in the B6C3F1 murine isolated perfused liver.	Tsuruda, L S; Lame, M W; Jones, A D	Drug Metab Dispos (1995 Jan)	23 / 129-36	PubMed Citation
Metabolism of monoepoxides of methyl linoleate: bioactivation and detoxification.	Greene, J F; Williamson, K C; Newman, J W; Morrisseau, C; Hammock, B D	Arch Biochem Biophys (2000 Apr 15)	376 / 420-32	PubMed Citation
Metabolism of the antibacterial triclocarban by human epidermal keratinocytes to yield protein adduc ...	Schebb, Nils Helge; Buchholz, Bruce A; Hammock, Bruce D; Rice, Robert H	J Biochem Mol Toxicol (2012 Jun)	26 / 230-4	PubMed Citation
Metabolomic profiling of regulatory lipid mediators in sputum from adult cystic fibrosis patients.	Yang, Jun; Eiserich, Jason P; Cross, Carroll E; Morrissey, Brian M; Hammock, Bruce D	Free Radic Biol Med (2012 Jul 1)	53 / 160-71	PubMed Citation
Metabolomics for assessment of nutritional status.	Zivkovic, Angela M; German, J Bruce	Curr Opin Clin Nutr Metab Care (2009 Sep)	12 / 501-7	PubMed Citation
Metabolomics in practice: emerging knowledge to guide future dietetic advice toward individualized h ...	German, J Bruce; Watkins, Steven M; Fay, Laurent-Bernard	J Am Diet Assoc (2005 Sep)	105 / 1425-32	PubMed Citation
Metabolomics: building on a century of biochemistry to guide human health.	German, J Bruce; Hammock, Bruce D; Watkins, Steven M	Metabolomics (2005 Mar)	1 / 3-9	PubMed Citation
Metals associated with stormwater-relevant brake and tire samples.	McKenzie, Erica R; Money, Jon E; Green, Peter G; Young, Thomas M	Sci Total Environ (2009 Nov 1)	407 / 5855-60	PubMed Citation
Method for Sorting and Pairwise Selection of Nanobodies for the Development of Highly Sensitive Sand ...	Rossotti, Martín A; Pirez, Macarena; Gonzalez-Techera, Andres; Cui, Yongliang; Bever, Candace S; Lee, Kin S S; Morrisseau, Christophe; Leizagoyen, Carmen; Gee, Shirley; Hammock, Bruce D; González-Sapienza, Gualberto	Anal Chem (2015 Dec 01)	87 / 11907-14	PubMed Citation

Methylibium petroleophilum gen. nov., sp. nov., a novel methyl tert-butyl ether-degrading methylotro ...	Nakatsu, Cindy H; Hristova, Krassimira; Hanada, Satoshi; Meng, Xian-Ying; Hanson, Jessica R; Scow, Kate M; Kamagata, Yoichi	Int J Syst Evol Microbiol (2006 May)	56 / 983-9	PubMed Citation
Microarray immunoassay for phenoxybenzoic acid using polymer encapsulated Eu:Gd ₂ O ₃ nanoparticles as ...	Nichkova, Mikaela; Dosev, Dosi; Gee, Shirley J; Hammock, Bruce D; Kennedy, Ian M	Anal Chem (2005 Nov 1)	77 / 6864-73	PubMed Citation
Microbial biosafety of pilot-scale bioreactor treating MTBE and TBA-contaminated drinking water supp ...	Schmidt, Radomir; Klemme, David A; Scow, Kate; Hristova, Krassimira	J Hazard Mater (2012 Mar 30)	209-210 / 524-8	PubMed Citation
Microbial community composition and carbon cycling within soil microenvironments of conventional, lo ...	Kong, Angela Y Y; Scow, Kate M; Córdova-Kreylos, Ana Lucía; Holmes, William E; Six, Johan	Soil Biol Biochem ()	43 / 20-30	PubMed Citation
Microsomal and cytosolic epoxide hydrolase and glutathione S-transferase activities in the gill, liv ...	Laurén, D J; Halarnkar, P P; Hammcock, B D; Hinton, D E	Biochem Pharmacol (1989 Mar 15)	38 / 881-7	PubMed Citation
Microwave plasma conversion of volatile organic compounds.	Ko, Youngsam; Yang, Gosu; Chang, Daniel P Y; Kennedy, Ian M	J Air Waste Manag Assoc (2003 May)	53 / 580-5	PubMed Citation
Minding the calcium store: Ryanodine receptor activation as a convergent mechanism of PCB toxicity.	Pessah, Isaac N; Cherednichenko, Gennady; Lein, Pamela J	Pharmacol Ther (2010 Feb)	125 / 260-85	PubMed Citation
Mobilization of endocrine-disrupting chemicals and estrogenic activity in simulated rainfall runoff ...	Giudice, Ben D; Young, Thomas M	Environ Toxicol Chem (2011 Oct)	30 / 2220-8	PubMed Citation
Modeling and predicting competitive sorption of organic compounds in soil.	Faria, Isabel R; Young, Thomas M	Environ Toxicol Chem (2010 Dec)	29 / 2676-84	PubMed Citation
Modeling of polychlorinated biphenyl removal from contaminated soil using steam.	Di, Pingkuan; Chang, Daniel P Y; Dwyer, Harry A	Environ Sci Technol (2002 Apr 15)	36 / 1845-50	PubMed Citation
Modeling uncertainty in the measurement of low-level analytes in environmental analysis.	Rocke, David M; Durbin, Blythe; Wilson, Machelle; Kahn, Henry D	Ecotoxicol Environ Saf (2003 Sep)	56 / 78-92	PubMed Citation
Modulation of arachidonic and linoleic acid metabolites in myeloperoxidase-deficient mice during acu ...	Kubala, Lukas; Schmelzer, Kara R; Klinke, Anna; Kolarova, Hana; Baldus, Stephan; Hammock, Bruce D; Eiserich, Jason P	Free Radic Biol Med (2010 May 15)	48 / 1311-20	PubMed Citation
Modulation of blood oxylipin levels by long-chain omega-3 fatty acid supplementation in hyper- and n ...	Schuchardt, Jan Philipp; Schmidt, Simone; Kressel, Gaby; Willenberg, Ina; Hammock, Bruce D; Hahn, Andreas; Schebb, Nils Helge	Prostaglandins Leukot Essent Fatty Acids (2014 Feb-Mar)	90 / 27-37	PubMed Citation
Modulation of human epidermal cell response to 2,3,7,8-tetrachlorodibenzo-p-dioxin by epidermal grow ...	Rea, M A; Phillips, M A; Degraffenreid, L A; Qin, Q; Rice, R H	Carcinogenesis (1998 Mar)	19 / 479-83	PubMed Citation
Molecular Mechanisms and New Treatment Paradigm for Atrial Fibrillation.	Sirish, Padmini; Li, Ning; Timofeyev, Valeriy; Zhang, Xiao-Dong; Wang, Lianguo; Yang, Jun; Lee, Kin Sing Stephen; Bettaieb, Ahmed; Ma, Sin Mei; Lee, Jeong Han; Su, Demetria; Lau, Victor C; Myers, Richard E; Lieu, Deborah K; López, Javier E; Young, J Nilas; Yamoah, Ebenezer N; Haj, Fawaz; Ripplinger, Crystal M; Hammock, Bruce D; Chiamvimonvat, Nipavan	Circ Arrhythm Electrophysiol (2016 May)	9 /	PubMed Citation
Monitoring of total type ii pyrethroid pesticides in citrus oils and water by converting to a common ...	McCoy, Mark R; Yang, Zheng; Fu, Xun; Ahn, Ki Chang; Gee, Shirley J; Bom, David C; Zhong, Ping; Chang, Dan; Hammock, Bruce D	J Agric Food Chem (2012 May 23)	60 / 5065-70	PubMed Citation

Mouse breast cancer model-dependent changes in metabolic syndrome-associated phenotypes caused by ma ...	La Merrill, Michele; Baston, David S; Denison, Michael S; Birnbaum, Linda S; Pomp, Daniel; Threadgill, David W	Am J Physiol Endocrinol Metab (2009 Jan)	296 / E203-10	PubMed Citation
Mouse strain modulates the role of the ciliated cell in acute tracheobronchial airway injury-distal ...	Lawson, Gregory W; Van Winkle, Laura S; Toskala, Elina; Senior, Robert M; Parks, William C; Plopper, Charles G	Am J Pathol (2002 Jan)	160 / 315-27	PubMed Citation
Multi-class cancer classification via partial least squares with gene expression profiles.	Nguyen, Danh V; Rocke, David M	Bioinformatics (2002 Sep)	18 / 1216-26	PubMed Citation
Multiple epoxide hydrolases in <i>Alternaria alternata</i> f. sp. <i>lycopersici</i> and their relationship to med ...	Morrisseau, C; Ward, B L; Gilchrist, D G; Hammock, B D	Appl Environ Microbiol (1999 Jun)	65 / 2388-95	PubMed Citation
Multiple stressors in the Sacramento River watershed.	Hinton, D E	EXS (1998)	86 / 303-17	PubMed Citation
Multiplexed immunoassays for proteins using magnetic luminescent nanoparticles for internal calibrat ...	Nichkova, Mikaela; Dosev, Dosi; Gee, Shirley J; Hammock, Bruce D; Kennedy, Ian M	Anal Biochem (2007 Oct 1)	369 / 34-40	PubMed Citation
Mutation of bacterium <i>Vibrio gazogenes</i> for selective preparation of colorants.	Alihosseini, Farzaneh; Lango, Jozsef; Ju, Kou-San; Hammock, Bruce D; Sun, Gang	Biotechnol Prog (2010 Mar-Apr)	26 / 352-60	PubMed Citation
N-acetylcysteine-conjugated pyrrole identified in rat urine following administration of two pyrroliz ...	Estep, J E; Lame, M W; Jones, A D; Segall, H J	Toxicol Lett (1990 Nov)	54 / 61-9	PubMed Citation
N-linked glycan profiling of mature human milk by high-performance microfluidic chip liquid chromato ...	Dallas, David C; Martin, William F; Strum, John S; Zivkovic, Angela M; Smilowitz, Jennifer T; Underwood, Mark A; Affolter, Michael; Lebrilla, Carlito B; German, J Bruce	J Agric Food Chem (2011 Apr 27)	59 / 4255-63	PubMed Citation
NaGdF4:Eu(3+) Nanoparticles for Enhanced X-ray Excited Optical Imaging.	Sudheendra, L; Das, Gautam K; Li, Changqing; Stark, Daniel; Cena, Jake; Cherry, Simon; Kennedy, Ian M	Chem Mater (2014 Mar 11)	26 / 1881-1888	PubMed Citation
Nanomolar bifenthrin alters synchronous Ca2+ oscillations and cortical neuron development independen ...	Cao, Zhengyu; Cui, Yanjun; Nguyen, Hai M; Jenkins, David Paul; Wulff, Heike; Pessah, Isaac N	Mol Pharmacol (2014 Apr)	85 / 630-9	PubMed Citation
Nanopeptamers for the development of small-analyte lateral flow tests with a positive readout.	Vanrell, Lucia; Gonzalez-Techera, Andres; Hammock, Bruce D; Gonzalez-Sapienza, Gualberto	Anal Chem (2013 Jan 15)	85 / 1177-82	PubMed Citation
Nanoporous gold as a neural interface coating: effects of topography, surface chemistry, and feature ...	Chapman, Christopher A R; Chen, Hao; Stamou, Marianna; Biener, Juergen; Biener, Monika M; Lein, Pamela J; Seker, Erkin	ACS Appl Mater Interfaces (2015 Apr 8)	7 / 7093-100	PubMed Citation
Nanotechnology and toxicology.	Kennedy, Ian M	Rev Environ Health (2014)	29 / 101-3	PubMed Citation
Naphthalene cytotoxicity in microsomal epoxide hydrolase deficient mice.	Carratt, S A; Morin, D; Buckpitt, A R; Edwards, P C; Van Winkle, L S	Toxicol Lett (2016 Mar 30)	246 / 35-41	PubMed Citation
Naphthalene-induced respiratory tract toxicity: metabolic mechanisms of toxicity.	Buckpitt, A; Boland, B; Isbell, M; Morin, D; Shultz, M; Baldwin, R; Chan, K; Karlsson, A; Lin, C; Taff, A; West, J; Fanucchi, M; Van Winkle, L; Plopper, C	Drug Metab Rev (2002 Nov)	34 / 791-820	PubMed Citation
Naturally occurring marine brominated indoles are aryl hydrocarbon receptor ligands/agonists.	DeGroot, Danica E; Franks, Diana G; Higa, Tatsuo; Tanaka, Junichi; Hahn, Mark E; Denison, Michael S	Chem Res Toxicol (2015 Jun 15)	28 / 1176-85	PubMed Citation
Naturally occurring monoepoxides of eicosapentaenoic acid and docosahexaenoic acid are bioactive ant ...	Morrisseau, Christophe; Inceoglu, Bora; Schmelzer, Kara; Tsai, Hsing-Ju; Jinks, Steven L; Hegedus, Christine M; Hammock, Bruce D	J Lipid Res (2010 Dec)	51 / 3481-90	PubMed Citation

NDMA formation during chlorination and chloramination of aqueous diuron solutions.	Chen, Wei-Hsiang; Young, Thomas M	Environ Sci Technol (2008 Feb 15)	42 / 1072-7	PubMed Citation
Near infrared spectroscopy for determination of various physical, chemical and biochemical properties ...	Zornoza, R; Guerrero, C; Mataix-Solera, J; Scow, K M; Arcenegui, V; Mataix-Beneyto, J	Soil Biol Biochem ()	40 / 1923-1930	PubMed Citation
Neuronal connectivity as a convergent target of gene-environment interactions that confer risk for ...	Stamou, Marianna; Streifel, Karin M; Goines, Paula E; Lein, Pamela J	Neurotoxicol Teratol (2013 Mar-Apr)	36 / 3-16	PubMed Citation
Neutral and acidic oligosaccharides in Holstein-Friesian colostrum during the first 3 days of lactation ...	Barile, D; Marotta, M; Chu, C; Mehra, R; Grimm, R; Lebrilla, C B; German, J B	J Dairy Sci (2010 Sep)	93 / 3940-9	PubMed Citation
New approach to investigate the cytotoxicity of nanomaterials using single cell mechanics.	Zimmer, Christopher C; Liu, Ying X; Morgan, Joshua T; Yang, Guohua; Wang, Kang-Hsin; Kennedy, Ian M; Barakat, Abdul I; Liu, Gang-yu	J Phys Chem B (2014 Feb 6)	118 / 1246-55	PubMed Citation
New aryl hydrocarbon receptor homology model targeted to improve docking reliability.	Motto, Ilaria; Bordogna, Annalisa; Soshilov, Anatoly A; Denison, Michael S; Bonati, Laura	J Chem Inf Model (2011 Nov 28)	51 / 2868-81	PubMed Citation
Newspapers and newspaper ink contain agonists for the aryl hydrocarbon receptor.	Bohonowych, Jessica E S; Zhao, Bin; Timme-Laragy, Alicia; Jung, Dawoon; Di Giulio, Richard T; Denison, Michael S	Toxicol Sci (2008 Apr)	102 / 278-90	PubMed Citation
Niemann-pick type C2 deficiency in human fibroblasts confers robust and selective activation of pros ...	Frolov, Andrey; Dong, Hua; Jiang, Min; Yang, Lihua; Cook, Erik C; Matnani, Rahul; Hammock, Bruce D; Crofford, Leslie J	J Biol Chem (2013 Aug 16)	288 / 23696-703	PubMed Citation
Nitrate removal, communities of denitrifiers and adverse effects in different carbon substrates for ...	Warneke, Soren; Schipper, Louis A; Matiasek, Michael G; Scow, Kate M; Cameron, Stewart; Bruesewitz, Denise A; McDonald, Ian R	Water Res (2011 Nov 1)	45 / 5463-75	PubMed Citation
Non-coplanar 2,2',3,5',6-pentachlorobiphenyl (PCB 95) amplifies ionotropic glutamate receptor signal ...	Gafni, Juliette; Wong, Patty W; Pessah, Isaac N	Toxicol Sci (2004 Jan)	77 / 72-82	PubMed Citation
Non-Fickian dispersion of groundwater age.	Engdahl, Nicholas B; Ginn, Timothy R; Fogg, Graham E	Water Resour Res (2012 Jul)	48 / W07508	PubMed Citation
Noncompetitive phage anti-immunocomplex real-time polymerase chain reaction for sensitive detection ...	Kim, Hee-Joo; McCoy, Mark; Gee, Shirley J; Gonzalez-Sapienza, Gualberto G; Hammock, Bruce D	Anal Chem (2011 Jan 1)	83 / 246-53	PubMed Citation
Novel 2-amino-isoflavones exhibit aryl hydrocarbon receptor agonist or antagonist activity in a specific ...	Wall, Richard J; He, Guochun; Denison, Michael S; Congiu, Cenzo; Onnis, Valentina; Fernandes, Alwyn; Bell, David R; Rose, Martin; Rowlands, J Craig; Balboni, Gianfranco; Mellor, Ian R	Toxicology (2012 Jul 16)	297 / 26-33	PubMed Citation
Novel and highly sensitive fluorescent assay for leucine aminopeptidases.	Huang, Huazhang; Tanaka, Hiromasa; Hammock, Bruce D; Morisseau, Christophe	Anal Biochem (2009 Aug 1)	391 / 11-6	PubMed Citation
Novel high-molecular weight fucosylated milk oligosaccharides identified in dairy streams.	Mehra, Raj; Barile, Daniela; Marotta, Mariarosaria; Lebrilla, Carlito B; Chu, Caroline; German, J Bruce	PLoS One (2014)	9 / e96040	PubMed Citation
Novel lanthanide-labeled metal oxide nanoparticles improve the measurement of in vivo clearance and ...	Abid, Aamir D; Anderson, Donald S; Das, Gautam K; Van Winkle, Laura S; Kennedy, Ian M	Part Fibre Toxicol (2013)	10 / 1	PubMed Citation
Novel mechanism of brain soluble epoxide hydrolase-mediated blood pressure regulation in the spontaneously hypertensive rat.	Sellers, Kathleen W; Sun, Chengwen; Diez-Freire, Carlos; Waki, Hidefumi; Morisseau, Christophe; Falck, John R; Hammock, Bruce D; Paton, Julian F; Raizada, Mohan K	FASEB J (2005 Apr)	19 / 626-8	PubMed Citation

Novel multi-functional europium-doped gadolinium oxide nanoparticle aerosols facilitate the study of ...	Das, Gautam K; Anderson, Donald S; Wallis, Chris D; Carratt, Sarah A; Kennedy, Ian M; Van Winkle, Laura S	Nanoscale (2016 Jun 2)	8 / 11518-30	PubMed Citation
Novel Omega-3 Fatty Acid Epoxigenase Metabolite Reduces Kidney Fibrosis.	Sharma, Amit; Hye Khan, Md Abdul; Levick, Scott P; Lee, Kin Sing Stephen; Hammock, Bruce D; Imig, John D	Int J Mol Sci (2016 May 18)	17 /	PubMed Citation
Novel sorafenib-based structural analogues: in-vitro anticancer evaluation of t-MTUCB and t-AUCMB.	Wecksler, Aaron T; Hwang, Sung Hee; Wettersten, Hiromi I; Gilda, Jennifer E; Patton, Amy; Leon, Leonardo J; Carraway 3rd, Kermit L; Gomes, Aldrin V; Baar, Keith; Weiss, Robert H; Hammock, Bruce D	Anticancer Drugs (2014 Apr)	25 / 433-46	PubMed Citation
Nucleotide specificity of DNA binding of the aryl hydrocarbon receptor:ARNT complex is unaffected by ...	DeGroot, Danica E; Denison, Michael S	Toxicol Sci (2014 Jan)	137 / 102-13	PubMed Citation
Nutrigenomics and personalized diets: What will they mean for food?	German, J Bruce; Zivkovic, Angela M; Dallas, David C; Smilowitz, Jennifer T	Annu Rev Food Sci Technol (2011)	2 / 97-123	PubMed Citation
Nutritional lipidomics: molecular metabolism, analytics, and diagnostics.	Smilowitz, Jennifer T; Zivkovic, Angela M; Wan, Yu-Jui Yvonne; Watkins, Steve M; Nording, Malin L; Hammock, Bruce D; German, J Bruce	Mol Nutr Food Res (2013 Aug)	57 / 1319-35	PubMed Citation
Occupational paraquat exposure of agricultural workers in large Costa Rican farms.	Lee, Kiyoung; Park, Eun-Kee; Stoeklin-Marois, Maria; Koivunen, Marja E; Gee, Shirley J; Hammock, Bruce D; Beckett, Laurel A; Schenker, Marc B	Int Arch Occup Environ Health (2009 Mar)	82 / 455-62	PubMed Citation
Occurrence of endocrine-disrupting chemicals in indoor dust.	Hwang, Hyun-Min; Park, Eun-Kee; Young, Thomas M; Hammock, Bruce D	Sci Total Environ (2008 Oct 1)	404 / 26-35	PubMed Citation
Omeprazole increases the efficacy of a soluble epoxide hydrolase inhibitor in a PGE induced pain mo ...	Goswami, Sumanta Kumar; Inceoglu, Bora; Yang, Jun; Wan, Debin; Kodani, Sean D; da Silva, Carlos Antonio Trindade; Morrisseau, Christophe; Hammock, Bruce D	Toxicol Appl Pharmacol (2015 Dec 15)	289 / 419-27	PubMed Citation
Omics approaches in cystic fibrosis research: a focus on oxylipin profiling in airway secretions.	Eiserich, Jason P; Yang, Jun; Morrissey, Brian M; Hammock, Bruce D; Cross, Carroll E	Ann N Y Acad Sci (2012 Jul)	1259 / 1-9	PubMed Citation
On dithiothreitol (DTT) as a measure of oxidative potential for ambient particles: evidence for the ...	Charrier, J G; Anastasio, C	Atmos Chem Phys (2012 May 3)	12 / 11317-11350	PubMed Citation
On the analysis of glycomics mass spectrometry data via the regularized area under the ROC curve.	Ye, Jingjing; Liu, Hao; Kirmiz, Crystal; Lebrilla, Carlito B; Rocke, David M	BMC Bioinformatics (2007)	8 / 477	PubMed Citation
On-chip detection of a single nucleotide polymorphism without polymerase amplification.	Han, Jinhee; Tan, Matthew; Sudheendra, Lakshmana; Weiss, Robert H; Kennedy, Ian M	Nano Res (2014 Sep 1)	7 / 1302-1310	PubMed Citation
One pathway can incorporate either adenine or dimethylbenzimidazole as an alpha-axial ligand of B12 ...	Anderson, Peter J; Lango, Jozsef; Carkeet, Colleen; Britten, Audrey; Krautler, Bernhard; Hammock, Bruce D; Roth, John R	J Bacteriol (2008 Feb)	190 / 1160-71	PubMed Citation
One-step immunoassay for tetrabromobisphenol a using a camelid single domain antibody-alkaline phosph ...	Wang, Jia; Majkova, Zuzana; Bever, Candace R S; Yang, Jun; Gee, Shirley J; Li, Ji; Xu, Ting; Hammock, Bruce D	Anal Chem (2015)	87 / 4741-8	PubMed Citation
Opposing actions of insulin and arsenite converge on PKCdelta to alter keratinocyte proliferative po ...	Reznikova, Tatiana V; Phillips, Marjorie A; Patterson, Timothy J; Rice, Robert H	Mol Carcinog (2010 Apr)	49 / 398-409	PubMed Citation

Opposite regulation of cholesterol levels by the phosphatase and hydrolase domains of soluble epoxid ...	EnayetAllah, Ahmed E; Luria, Ayala; Luo, Beibei; Tsai, Hsing-Ju; Sura, Priyanka; Hammock, Bruce D; Grant, David F	J Biol Chem (2008 Dec 26)	283 / 36592-8	PubMed Citation
Optimization of amide-based inhibitors of soluble epoxide hydrolase with improved water solubility.	Kim, In-Hae; Heirtzler, Fenton R; Morrisseau, Christophe; Nishi, Kosuke; Tsai, Hsing-Ju; Hammock, Bruce D	J Med Chem (2005 May 19)	48 / 3621-9	PubMed Citation
Optimized inhibitors of soluble epoxide hydrolase improve in vitro target residence time and in vivo ...	Lee, Kim Sing Stephen; Liu, Jun-Yan; Wagner, Karen M; Pakhomova, Svetlana; Dong, Hua; Morrisseau, Christophe; Fu, Samuel H; Yang, Jun; Wang, Peng; Ulu, Arzu; Mate, Christina A; Nguyen, Long V; Hwang, Sung Hee; Edin, Matthew L; Mara, Alexandria A; Wulff, Heike; Newcomer, Marcia E; Zeldin, Darryl C; Hammock, Bruce D	J Med Chem (2014 Aug 28)	57 / 7016-30	PubMed Citation
Optimized thiol derivatizing reagent for the mass spectral analysis of disubstituted epoxy fatty aci ...	Newman, J W; Hammock, B D	J Chromatogr A (2001 Aug 3)	925 / 223-40	PubMed Citation
Oral treatment of rodents with soluble epoxide hydrolase inhibitor 1-(1-propanoylpiperidin-4-yl)-3-[...	Ostermann, Annika I; Herbers, Jan; Willenberg, Ina; Chen, Rongjun; Hwang, Sung Hee; Greite, Robert; Morrisseau, Christophe; Gueler, Faikah; Hammock, Bruce D; Schebb, Nils Helge	Prostaglandins Other Lipid Mediat (2015 Sep)	121 / 131-7	PubMed Citation
Orally bioavailable potent soluble epoxide hydrolase inhibitors.	Hwang, Sung Hee; Tsai, Hsing-Ju; Liu, Jun-Yan; Morrisseau, Christophe; Hammock, Bruce D	J Med Chem (2007 Aug 9)	50 / 3825-40	PubMed Citation
ORFeome-based search of airway epithelial cell-specific novel human [beta]-defensin genes.	Kao, Cheng Yuan; Chen, Yin; Zhao, Yu Hua; Wu, Reen	Am J Respir Cell Mol Biol (2003 Jul)	29 / 71-80	PubMed Citation
Organophosphate-induced acetylcholinesterase inhibition and embryonic retinal cell necrosis in vivo ...	Hamm, J T; Wilson, B W; Hinton, D E	Neurotoxicology (1998 Dec)	19 / 853-69	PubMed Citation
Osmoprotective proteome adjustments in mouse kidney papilla.	Gabert, B J; Kültz, D	Biochim Biophys Acta (2011 Mar)	1814 / 435-48	PubMed Citation
Ovarian-pituitary hormone interactions during the perimenopause.	Shideler, S E; DeVane, G W; Kalra, P S; Benirschke, K; Lasley, B L	Maturitas (1989 Dec)	11 / 331-9	PubMed Citation
Oxygen-dependent differentiation of human keratinocytes.	Ngo, Mai A; Sinitzyna, Nadezda N; Qin, Qin; Rice, Robert H	J Invest Dermatol (2007 Feb)	127 / 354-61	PubMed Citation
Para- and ortho-substitutions are key determinants of polybrominated diphenyl ether activity toward ...	Kim, Kyung Ho; Bose, Diptiman D; Ghogha, Atefeh; Riehl, Joyce; Zhang, Rui; Barnhart, Christopher D; Lein, Pamela J; Pessah, Isaac N	Environ Health Perspect (2011 Apr)	119 / 519-26	PubMed Citation
Parabens inhibit fatty acid amide hydrolase: A potential role in paraben-enhanced 3T3-L1 adipocyte d ...	Kodani, Sean D; Overby, Haley B; Morrisseau, Christophe; Chen, Jiangang; Zhao, Ling; Hammock, Bruce D	Toxicol Lett (2016 Nov 16)	262 / 92-99	PubMed Citation
Partial hepatectomy and bile duct ligation in rainbow trout (<i>Oncorhynchus mykiss</i>): histologic, immun ...	Okihiro, M S; Hinton, D E	Toxicol Pathol (2000 Mar-Apr)	28 / 342-56	PubMed Citation
Partial least squares proportional hazard regression for application to DNA microarray survival data ...	Nguyen, Danh V; Rocke, David M	Bioinformatics (2002 Dec)	18 / 1625-32	PubMed Citation
Pathway analysis of kidney cancer using proteomics and metabolic profiling.	Perroud, Bertrand; Lee, Jinoo; Valkova, Nelly; Dhirapong, Amy; Lin, Pei-Yin; Fiehn, Oliver; Kultz, Dietmar; Weiss, Robert H	Mol Cancer (2006)	5 / 64	PubMed Citation

Pathways of epoxyeicosatrienoic acid metabolism in endothelial cells. Implications for the vascular ...	Fang, X; Kaduce, T L; Weintraub, N L; Harmon, S; Teesch, L M; Morrisseau, C; Thompson, D A; Hammock, B D; Spector, A A	J Biol Chem (2001 May 4)	276 / 14867-74	PubMed Citation
PCB 136 atropselectively alters morphometric and functional parameters of neuronal connectivity in c ...	Yang, Dongren; Kania-Korwel, Izabela; Ghogha, Atefeh; Chen, Hao; Stamou, Marianna; Bose, Diptiman D; Pessah, Isaac N; Lehmler, Hans-Joachim; Lein, Pamela J	Toxicol Sci (2014 Apr)	138 / 379-92	PubMed Citation
PCB-95 modulates the calcium-dependent signaling pathway responsible for activity-dependent dendriti ...	Wayman, Gary A; Bose, Diptiman D; Yang, Dongren; Lesiak, Adam; Bruun, Donald; Impey, Soren; Ledoux, Veronica; Pessah, Isaac N; Lein, Pamela J	Environ Health Perspect (2012 Jul)	120 / 1003-9	PubMed Citation
PCB-95 promotes dendritic growth via ryanodine receptor-dependent mechanisms.	Wayman, Gary A; Yang, Dongren; Bose, Diptiman D; Lesiak, Adam; Ledoux, Veronica; Bruun, Donald; Pessah, Isaac N; Lein, Pamela J	Environ Health Perspect (2012 Jul)	120 / 997-1002	PubMed Citation
PCBs contamination in seafood species at the Eastern Coast of Thailand.	Jaikanlaya, Chate; Settachan, Daam; Denison, Michael S; Ruchirawat, Mathuros; van den Berg, Martin	Chemosphere (2009 Jun)	76 / 239-49	PubMed Citation
Pelargonidin activates the AhR and induces CYP1A1 in primary human hepatocytes and human cancer cell ...	Kamenickova, Alzbeta; Anzenbacherova, Eva; Pavek, Petr; Soshilov, Anatoly A; Denison, Michael S; Anzenbacher, Pavel; Dvorak, Zdenek	Toxicol Lett (2013 Apr 26)	218 / 253-9	PubMed Citation
Peptidyl-urea based inhibitors of soluble epoxide hydrolases.	Morrisseau, Christophe; Newman, John W; Tsai, Hsing-Ju; Baecker, Preston A; Hammock, Bruce D	Bioorg Med Chem Lett (2006 Oct 15)	16 / 5439-44	PubMed Citation
Perinatal exposure to environmental polychlorinated biphenyls sensitizes hippocampus to excitotoxici ...	Kim, Kyung Ho; Pessah, Isaac N	Neurotoxicology (2011 Dec)	32 / 981-5	PubMed Citation
Peripheral FAAH and soluble epoxide hydrolase inhibitors are synergistically antinociceptive.	Sasso, Oscar; Wagner, Karen; Morrisseau, Christophe; Inceoglu, Bora; Hammock, Bruce D; Piomelli, Daniele	Pharmacol Res (2015 Jul)	97 / 7-15	PubMed Citation
Persistence of silver nanoparticles in the rat lung: Influence of dose, size, and chemical compositi ...	Anderson, Donald S; Silva, Rona M; Lee, Danielle; Edwards, Patricia C; Sharmah, Arjun; Guo, Ting; Pinkerton, Kent E; Van Winkle, Laura S	Nanotoxicology (2015)	9 / 591-602	PubMed Citation
Phage anti-immune complex assay: general strategy for noncompetitive immunodetection of small molecu ...	González-Techera, A; Vanrell, L; Last, J A; Hammock, B D; González-Sapienza, G	Anal Chem (2007 Oct 15)	79 / 7799-806	PubMed Citation
Phage anti-immunocomplex assay for clomazone: two-site recognition increasing assay specificity and ...	Rossotti, M A; Carlomagno, M; González-Techera, A; Hammock, B D; Last, J; González-Sapienza, G	Anal Chem (2010 Nov 1)	82 / 8838-43	PubMed Citation
Phage-borne peptidomimetics accelerate the development of polyclonal antibody-based heterologous imm ...	Kim, Hee-Joo; Gonzalez-Techera, Andres; Gonzalez-Sapienza, Gualberto G; Ahn, Ki Chang; Gee, Shirley J; Hammock, Bruce D	Environ Sci Technol (2008 Mar 15)	42 / 2047-53	PubMed Citation
Phage-displayed peptide that mimics aflatoxins and its application in immunoassay.	Wang, Yanru; Wang, Hong; Li, Peiwu; Zhang, Qi; Kim, Hee Joo; Gee, Shirley J; Hammock, Bruce D	J Agric Food Chem (2013 Mar 13)	61 / 2426-33	PubMed Citation
Pharmacokinetic optimization of four soluble epoxide hydrolase inhibitors for use in a murine model ...	Liu, Jun-Yan; Tsai, Hsing-Ju; Hwang, Sung Hee; Jones, Paul D; Morrisseau, Christophe; Hammock, Bruce D	Br J Pharmacol (2009 Jan)	156 / 284-96	PubMed Citation

Pharmacokinetic screening of soluble epoxide hydrolase inhibitors in dogs.	Tsai, Hsing-Ju; Hwang, Sung Hee; Morrisseau, Christophe; Yang, Jun; Jones, Paul D; Kasagami, Takeo; Kim, In-Hae; Hammock, Bruce D	Eur J Pharm Sci 40 / 222-38 (2010 Jun 14)	PubMed Citation
Pharmacokinetics and in vivo potency of soluble epoxide hydrolase inhibitors in cynomolgus monkeys.	Ulu, A; Appt, Se; Morrisseau, C; Hwang, S H; Jones, P D; Rose, T E; Dong, H; Lango, J; Yang, J; Tsai, H J; Miyabe, C; Fortenbach, C; Adams, M R; Hammock, B D	Br J Pharmacol (2012 Mar) 165 / 1401-12	PubMed Citation
Pharmacological inhibition of soluble epoxide hydrolase prevents renal interstitial fibrogenesis in ...	Kim, Jinu; Yoon, Sang Pil; Toews, Myron L; Imig, John D; Hwang, Sung Hee; Hammock, Bruce D; Padanilam, Babu J	Am J Physiol Renal Physiol (2015 Jan 15) 308 / F131-9	PubMed Citation
Pharmacological inhibition of soluble epoxide hydrolase provides cardioprotection in hyperglycemic r ...	Guglielmino, Kathleen; Jackson, Kaleena; Harris, Todd R; Vu, Vincent; Dong, Hua; Dutrow, Gavin; Evans, James E; Graham, James; Cummings, Bethany P; Havel, Peter J; Chiamvimonvat, Nipavan; Despa, Sanda; Hammock, Bruce D; Despa, Florin	Am J Physiol Heart Circ Physiol (2012 Oct 1) 303 / H853-62	PubMed Citation
Phenylurea herbicide sorption to biochars and agricultural soil.	Wang, Daoyuan; Mukome, Fungai N D; Yan, Denghua; Wang, Hao; Scow, Kate M; Parikh, Sanjai J	J Environ Sci Health B (2015) 50 / 544-51	PubMed Citation
Photonic crystal lab-on-a-chip for detecting staphylococcal enterotoxin B at low attomolar concentra ...	Han, Jin-Hee; Kim, Hee-Joo; Sudheendra, L; Gee, Shirley J; Hammock, Bruce D; Kennedy, Ian M	Anal Chem (2013 Mar 19) 85 / 3104-9	PubMed Citation
Phototransformation rate constants of PAHs associated with soot particles.	Kim, Daekyun; Young, Thomas M; Anastasio, Cort	Sci Total Environ (2013 Jan 15) 443 / 896-903	PubMed Citation
Plasmid-aided insertion of MMTV-LTR and ras DNAs to NIH 3T3 fibroblast cells makes them responsive t ...	Jankun, J; Matsumura, F; Kaneko, H; Trosko, J E; Pellicer, A; Greenberg, A H	Mol Toxicol (1989 Jul-Sep) 2 / 177-86	PubMed Citation
Plasmonic enhanced emissions from cubic NaYF(4):Yb: Er/Tm nanophosphors.	Sudheendra, L; Ortalan, Volkan; Dey, Sanchita; Browning, Nigel D; Kennedy, I M	Chem Mater (2011 Jun 14) 23 / 2987-2993	PubMed Citation
Polyclonal antibody-based noncompetitive immunoassay for small analytes developed with short peptide ...	González-Techera, A; Kim, H J; Gee, S J; Last, J A; Hammock, B D; González-Sapienza, G	Anal Chem (2007 Dec 1) 79 / 9191-6	PubMed Citation
Polymorphism in soluble epoxide hydrolase and blood pressure in spontaneously hypertensive rats.	Fornage, Myriam; Hinojos, Cruz A; Nurowska, Barbara W; Boerwinkle, Eric; Hammock, Bruce D; Morrisseau, Christophe H P; Doris, Peter A	Hypertension (2002 Oct) 40 / 485-90	PubMed Citation
Polymorphisms in human soluble epoxide hydrolase.	Przybyla-Zawislak, Beata D; Srivastava, Punit K; Vazquez-Matias, Johana; Mohrenweiser, Harvey W; Maxwell, Joseph E; Hammock, Bruce D; Bradbury, J Alyce; Enayetallah, Ahmed E; Zeldin, Darryl C; Grant, David F	Mol Pharmacol (2003 Aug) 64 / 482-90	PubMed Citation
Population dynamics of type I and II methanotrophic bacteria in rice soils.	Macalady, Jennifer L; McMillan, Andrew M S; Dickens, Angela F; Tyler, Stanley C; Scow, Kate M	Environ Microbiol (2002 Mar) 4 / 148-57	PubMed Citation
Potent urea and carbamate inhibitors of soluble epoxide hydrolases.	Morrisseau, C; Goodrow, M H; Dowdy, D; Zheng, J; Greene, J F; Sanborn, J R; Hammock, B D	Proc Natl Acad Sci U S A (1999 Aug 3) 96 / 8849-54	PubMed Citation
Potential toxicity of up-converting nanoparticles encapsulated with a bilayer formed by ligand attra ...	Das, Gautam K; Stark, Daniel T; Kennedy, Ian M	Langmuir (2014 Jul 15) 30 / 8167-76	PubMed Citation

PPAR δ signaling mediates the cytotoxicity of DHA in H9c2 cells.	Samokhvalov, Victor; Zlobine, Igor; Jamieson, Kristi L; Jurasz, Paul; Chen, Christopher; Lee, Kin Sing Stephen; Hammock, Bruce D; Seubert, John M	Toxicol Lett (2015 Jan 05)	232 / 10-20	PubMed Citation
Predicted transport of pyrethroid insecticides from an urban landscape to surface water.	Jorgenson, Brant; Fleishman, Erica; Macneale, Kate H; Schlenk, Daniel; Scholz, Nathaniel L; Spromberg, Julian A; Werner, Inge; Weston, Donald P; Xiao, Qingfu; Young, Thomas M; Zhang, Minghua	Environ Toxicol Chem (2013 Nov)	32 / 2469-77	PubMed Citation
Predictive value of liver slices for metabolism and toxicity in vivo: use of acetaminophen as a mode ...	Miller, M G; Beyer, J; Hall, G L; deGraffenreid, L A; Adams, P E	Toxicol Appl Pharmacol (1993 Sep)	122 / 108-16	PubMed Citation
Preparation of 20-HETE using multifunctional enzyme type 2-negative <i>Starmerella bombicola</i> .	Van Bogaert, Inge; Zhang, Guodong; Yang, Jun; Liu, Jun-Yan; Ye, Yonghao; Soetaert, Wim; Hammock, Bruce D	J Lipid Res (2013 Nov)	54 / 3215-9	PubMed Citation
Prevention and reversal of cardiac hypertrophy by soluble epoxide hydrolase inhibitors.	Xu, Danyan; Li, Ning; He, Yuxia; Timofeyev, Valeriy; Lu, Ling; Tsai, Hsing-Ju; Kim, In-Hae; Tuteja, Dipika; Mateo, Robertino Karlo P; Singapuri, Anil; Davis, Benjamin B; Low, Reginald; Hammock, Bruce D; Chiamvimonvat, Nipavan	Proc Natl Acad Sci U S A (2006 Dec 5)	103 / 18733-8	PubMed Citation
Prevention of hypertension in DOCA-salt rats by an inhibitor of soluble epoxide hydrolase.	Loch, David; Hoey, Andrew; Morrisseau, Christophe; Hammock, Bruce O; Brown, Lindsay	Cell Biochem Biophys (2007)	47 / 87-98	PubMed Citation
Primers for amplification of nitrous oxide reductase genes associated with Firmicutes and Bacteroid ...	Jung, Jaejoon; Choi, Sungjong; Jung, Hoon; Scow, Kate M; Park, Woojun	Microbiology (2013 Feb)	159 / 307-15	PubMed Citation
Pro-atherogenic role of smooth muscle Nox4-based NADPH oxidase.	Tong, Xiaoyong; Khandelwal, Alok R; Wu, Xiaojuan; Xu, Zaicheng; Yu, Weimin; Chen, Caiyu; Zhao, Wanzhou; Yang, Jian; Qin, Zhexue; Weisbrod, Robert M; Seta, Francesca; Ago, Tetsuro; Lee, Kin Sing Stephen; Hammock, Bruce D; Sadoshima, Junichi; Cohen, Richard A; Zeng, Chunyu	J Mol Cell Cardiol (2016 Mar)	92 / 30-40	PubMed Citation
Probing the orientation of inhibitor and epoxy-eicosatrienoic acid binding in the active site of sol ...	Lee, Kin Sing Stephen; Henriksen, Niel M; Ng, Connie J; Yang, Jun; Jia, Weitao; Morrisseau, Christophe; Andaya, Armann; Gilson, Michael K; Hammock, Bruce D	Arch Biochem Biophys (2017 Jan 01)	613 / 1-11	PubMed Citation
Profiling the regulatory lipids: another systemic way to unveil the biological mystery.	Yang, Jun; Dong, Hua; Hammock, Bruce D	Curr Opin Lipidol (2011 Jun)	22 / 197-203	PubMed Citation
Progression of hepatic neoplasia in medaka (<i>Oryzias latipes</i>) exposed to diethylnitrosamine.	Okihiro, M S; Hinton, D E	Carcinogenesis (1999 Jun)	20 / 933-40	PubMed Citation
Properties of enzymes hydrating epoxides in human epidermis and liver.	Winder, B S; Nourooz-Zadeh, J; Isseroff, R R; Moghaddam, M F; Hammock, B D	Int J Biochem (1993 Sep)	25 / 1291-301	PubMed Citation
Prospective assessment of early fetal loss using an immunoenzymometric screening assay for detection ...	Taylor Jr, C A; Overstreet, J W; Samuels, S J; Boyers, S P; Canfield, R E; O'Connor, J F; Hanson, F W; Lasley, B L	Fertil Steril (1992 Jun)	57 / 1220-4	PubMed Citation
Prospective assessment of fecundability of female semiconductor workers.	Eskenazi, B; Gold, E B; Samuels, S J; Wight, S; Lasley, B L; Hammond, S K; O'Neill Rasor, M; Schenker, M B	Am J Ind Med (1995 Dec)	28 / 817-31	PubMed Citation

Prospective monitoring of early fetal loss and clinical spontaneous abortion among female semiconduc ...	Eskenazi, B; Gold, E B; Lasley, B L; Samuels, S J; Hammond, S K; Wight, S; O'Neill Rasor, M; Hines, C J; Schenker, M B	Am J Ind Med (1995 Dec)	28 / 833-46	PubMed Citation
Prospectively assessed menstrual cycle characteristics in female wafer-fabrication and nonfabricatio ...	Gold, E B; Eskenazi, B; Hammond, S K; Lasley, B L; Samuels, S J; O'Neill Rasor, M; Hines, C J; Overstreet, J W; Schenker, M B	Am J Ind Med (1995 Dec)	28 / 799-815	PubMed Citation
Protection from hypertension in mice by the Mediterranean diet is mediated by nitro fatty acid inhib ...	Charles, Rebecca L; Rudyk, Olena; Prysyazhna, Oleksandra; Kamynina, Alisa; Yang, Jun; Morrisseau, Christophe; Hammock, Bruce D; Freeman, Bruce A; Eaton, Philip	Proc Natl Acad Sci U S A (2014 Jun 3)	111 / 8167-72	PubMed Citation
Protein thiol oxidation in murine airway epithelial cells in response to naphthalene or diethyl male ...	Spiess, Page C; Morin, Dexter; Williams, Chase R; Buckpitt, Alan R	Am J Respir Cell Mol Biol (2010 Sep)	43 / 316-25	PubMed Citation
Proteinuria increases oxylipid concentrations in VLDL and HDL but not LDL particles in the rat.	Newman, John W; Kaysen, George A; Hammock, Bruce D; Shearer, Gregory C	J Lipid Res (2007 Aug)	48 / 1792-800	PubMed Citation
Proteome analysis of human hair shaft: from protein identification to posttranslational modification ...	Lee, Young Jin; Rice, Robert H; Lee, Young Moo	Mol Cell Proteomics (2006 May)	5 / 789-800	PubMed Citation
Proteomic analysis of hair shaft and nail plate.	Rice, Robert H	J Cosmet Sci (2011 Mar-Apr)	62 / 229-36	PubMed Citation
Proteomic analysis of human keratinocyte response to 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) expo ...	Hu, Qin; Rice, Robert H; Qin, Qin; Phinney, Brett S; Eigenheer, Richard A; Bao, Wenjun; Zhao, Bin	J Proteome Res (2013 Nov 1)	12 / 5340-7	PubMed Citation
Proteomic analysis of human nail plate.	Rice, Robert H; Xia, Yajuan; Alvarado, Rudy J; Phinney, Brett S	J Proteome Res (2010 Dec 3)	9 / 6752-8	PubMed Citation
Proteomic analysis of low dose arsenic and ionizing radiation exposure on keratinocytes.	Berglund, Susanne R; Santana, Alison R; Li, Dan; Rice, Robert H; Rocke, David M; Goldberg, Zelanna	Proteomics (2009 Apr)	9 / 1925-38	PubMed Citation
Pulmonary heat shock protein expression after exposure to a metabolically activated Clara cell toxic ...	Williams, Kurt J; Cruikshank, Michael K; Plopper, Charles G	Toxicol Appl Pharmacol (2003 Oct 15)	192 / 107-18	PubMed Citation
Pulmonary responses of acute exposure to ultrafine iron particles in healthy adult rats.	Zhou, Ya-Mei; Zhong, Cai-Yun; Kennedy, Ian M; Pinkerton, Kent E	Environ Toxicol (2003 Aug)	18 / 227-35	PubMed Citation
Purification, mass spectrometric characterization, and covalent modification of murine glutathione S ...	Mitchell, A E; Morin, D; Lame, M W; Jones, A D	Chem Res Toxicol (1995 Dec)	8 / 1054-62	PubMed Citation
Pyrethroid sorption to Sacramento River suspended solids and bed sediments.	Fojut, Tessa L; Young, Thomas M	Environ Toxicol Chem (2011 Apr)	30 / 787-92	PubMed Citation
Pyrethroids in house dust from the homes of farm worker families in the MICASA study.	Trunnelle, Kelly J; Bennett, Deborah H; Tancredi, Daniel J; Gee, Shirley J; Stoecklin-Marois, Maria T; Hennessy-Burt, Tamara E; Hammock, Bruce D; Schenker, Marc B	Environ Int (2013 Nov)	61 / 57-63	PubMed Citation
QSAR and classification of murine and human soluble epoxide hydrolase inhibition by urea-like compou ...	McElroy, Nathan R; Jurs, Peter C; Morrisseau, Christophe; Hammock, Bruce D	J Med Chem (2003 Mar 13)	46 / 1066-80	PubMed Citation
Quality control considerations for size exclusion chromatography with online ICP-MS: a powerful tool ...	McKenzie, Erica R; Young, Thomas M	Water Sci Technol (2013)	67 / 1075-82	PubMed Citation
Quantification of individual glutathione S-transferase isozymes in hepatic and pulmonary tissues of ...	Mitchell, A E; Lakritz, J; Jones, A D	Arch Toxicol (2000 Jul)	74 / 215-21	PubMed Citation

Quantification of PCDD/Fs and dioxin-like PCBs in small amounts of human serum using the sensitive H ...	Croes, K; Van Langenhove, K; Den Hond, E; Bruckers, L; Colles, A; Koppen, G; Loots, I; Nelen, V; Schoeters, G; Nawrot, T; Van Larebeke, N; Denison, M S; Vandermarken, T; Elskens, M; Baeyens, W	Talanta (2011 Oct 15)	85 / 2484-91	PubMed Citation
Quantitative detection of perchlorate-reducing bacteria by real-time PCR targeting the perchlorate r ...	Nozawa-Inoue, Mamie; Jien, Mercy; Hamilton, Nicholas S; Stewart, Valley; Scow, Kate M; Hristova, Krassimira R	Appl Environ Microbiol (2008 Mar)	74 / 1941-4	PubMed Citation
Quantitative DNA hybridization in solution using magnetic/luminescent core-shell nanoparticles.	Son, Ahjeong; Dosev, Dosi; Nichkova, Mikaela; Ma, Zhiya; Kennedy, Ian M; Scow, Kate M; Hristova, Krassimira R	Anal Biochem (2007 Nov 15)	370 / 186-94	PubMed Citation
Quantitative gene monitoring of microbial tetracycline resistance using magnetic luminescent nanopar ...	Son, Ahjeong; Kennedy, Ian M; Scow, Kate M; Hristova, Krassimira R	J Environ Monit (2010 Jun)	12 / 1362-7	PubMed Citation
Quantitative integration of the <i>Salmonella</i> microsuspension assay with supercritical fluid extraction ...	Kado, N Y; Wong, J M; Kuzmicky, P A; Woodrow, J E; Ning, H; Seiber, J N; Hsieh, D P	Mutat Res (1992 Jun)	271 / 253-60	PubMed Citation
Quantitative lipid analysis and life span of the <i>fat-3</i> mutant of <i>Caenorhabditis elegans</i> .	Hillyard, S Luke; German, J Bruce	J Agric Food Chem (2009 Apr 22)	57 / 3389-96	PubMed Citation
Quantitative lipid metabolomic changes in alcoholic micropigs with fatty liver disease.	Zivkovic, Angela M; Bruce German, J; Esfandiari, Farah; Halsted, Charles H	Alcohol Clin Exp Res (2009 Apr)	33 / 751-8	PubMed Citation
Quantitative molecular phenotyping of gill remodeling in a cichlid fish responding to salinity stres ...	Kültz, Dietmar; Li, Johnathon; Gardell, Alison; Sacchi, Romina	Mol Cell Proteomics (2013 Dec)	12 / 3962-75	PubMed Citation
Quantitative profiling method for oxylipin metabolome by liquid chromatography electrospray ionizati ...	Yang, Jun; Schmelzer, Kara; Georgi, Katrin; Hammock, Bruce D	Anal Chem (2009 Oct 1)	81 / 8085-93	PubMed Citation
Quantitative profiling of tissue- and gender-related expression of glutathione S-transferase isoenzy ...	Mitchell, A E; Morin, D; Lakritz, J; Jones, A D	Biochem J (1997 Jul 1)	325 (Pt 1) / 207-16	PubMed Citation
Quantum Dots as Reporters in Multiplexed Immunoassays for Biomarkers of Exposure to Agrochemicals.	Nichkova, M; Dosev, D; Davies, A E; Gee, S J; Kennedy, I M; Hammock, B D	Anal Lett (2007 Jan)	40 / 1423-1433	PubMed Citation
Rapid and quantitative DNA analysis of genetic mutations for polycystic kidney disease (PKD) using m ...	Son, Ahjeong; Dhirapong, Amy; Dosev, Dosi K; Kennedy, Ian M; Weiss, Robert H; Hristova, Krassimira R	Anal Bioanal Chem (2008 Apr)	390 / 1829-35	PubMed Citation
Rapid assays for environmental and biological monitoring.	Szurdoki, F; Jaeger, L; Harris, A; Kido, H; Wengatz, I; Goodrow, M H; Szekacs, A; Wortberg, M; Zheng, J; Stoutamire, D W; Sanborn, J R; Gilman, S D; Jones, A D; Gee, S J; Choudary, P V; Hammock, B D	J Environ Sci Health B (1996 May)	31 / 451-8	PubMed Citation
Rapid determination of soluble epoxide hydrolase inhibitors in rat hepatic microsomes by high-perfor ...	Watanabe, T; Hammock, B D	Anal Biochem (2001 Dec 15)	299 / 227-34	PubMed Citation
Rapid screening of dioxin-contaminated soil by accelerated solvent extraction/purification followed ...	Nording, Malin; Nichkova, Mikaela; Spinnel, Erik; Persson, Ylva; Gee, Shirley J; Hammock, Bruce D; Haglund, Peter	Anal Bioanal Chem (2006 May)	385 / 357-66	PubMed Citation
Rapid throughput analysis demonstrates that chemicals with distinct seizurogenic mechanisms differen ...	Cao, Zhengyu; Zou, Xiaohan; Cui, Yanjun; Hulsizer, Susan; Lein, Pamela J; Wulff, Heike; Pessah, Isaac N	Mol Pharmacol (2015 Apr)	87 / 595-605	PubMed Citation
ras oncogene mutations in diethylnitrosamine-induced hepatic tumors in medaka (<i>Oryzias latipes</i>), a t ...	Liu, Zi; Kullman, Seth W; Bencic, David C; Torten, Michael; Hinton, David E	Mutat Res (2003 Aug 5)	539 / 43-53	PubMed Citation
Rate and extent of aqueous perchlorate removal by iron surfaces.	Moore, Angela M; De Leon, Corinne H; Young, Thomas M	Environ Sci Technol (2003 Jul 15)	37 / 3189-98	PubMed Citation

Rates of Hydroxyl Radical Production from Transition Metals and Quinones in a Surrogate Lung Fluid.	Charrier, Jessica G; Anastasio, Cort	Environ Sci Technol (2015 Aug 4)	49 / 9317-25	PubMed Citation
Rational Design of Potent and Selective Inhibitors of an Epoxide Hydrolase Virulence Factor from Pse ...	Kitamura, Seiya; Hvorecný, Kelli L; Niu, Jun; Hammock, Bruce D; Madden, Dean R; Morrisseau, Christophe	J Med Chem (2016 May 26)	59 / 4790-9	PubMed Citation
Rationally designed multitarget agents against inflammation and pain.	Hwang, S H; Wecksler, A T; Wagner, K; Hammock, B D	Curr Med Chem (2013)	20 / 1783-99	PubMed Citation
Reactive naphthalene metabolite binding to hemoglobin and albumin.	Cho, M; Jedrychowski, R; Hammock, B; Buckpitt, A	Fundam Appl Toxicol (1994 Jan)	22 / 26-33	PubMed Citation
Reactivity versus steric effects in fluorinated ketones as esterase inhibitors: a quantum mechanical ...	Rayo, Josep; Muñoz, Lourdes; Rosell, Gloria; Hammock, Bruce D; Guerrero, Angel; Luque, F Javier; Pouplana, Ramon	J Mol Model (2010 Nov)	16 / 1753-64	PubMed Citation
Recombinant cell bioassays for endocrine disruptors: development of a stably transfected human ovari ...	Rogers, J M; Denison, M S	In Vitro Mol Toxicol (2000)	13 / 67-82	PubMed Citation
Reconfigurable microfluidic dilution for high-throughput quantitative assays.	Fan, Jinzhen; Li, Baoqing; Xing, Siyuan; Pan, Tingrui	Lab Chip (2015 Jun 21)	15 / 2670-9	PubMed Citation
Recruiting strategy and 24-hour biomonitoring of paraquat in agricultural workers.	Park, Eun-Kee; Duarte Tagles, Hector; Gee, Shirley J; Hammock, Bruce D; Lee, Kiyoung; Schenker, Marc B	J Agromedicine (2008)	13 / 207-17	PubMed Citation
Redistribution of transcription factor AP-2alpha in differentiating cultured human epidermal cells.	Mazina, O M; Phillips, M A; Williams, T; Vines, C A; Cherr, G N; Rice, R H	J Invest Dermatol (2001 Oct)	117 / 864-70	PubMed Citation
Redox Dynamics of Mixed Metal (Mn, Cr, and Fe) Ultrafine Particles.	Nico, Peter S; Kumfer, Benjamin M; Kennedy, Ian M; Anastasio, Cort	Aerosol Sci Technol (2009 Jan)	43 / 60-70	PubMed Citation
Redox regulation of soluble epoxide hydrolase by 15-deoxy-delta-prostaglandin J2 controls coronary h ...	Charles, Rebecca L; Burgoyne, Joseph R; Mayr, Manuel; Weldon, Steven M; Hubner, Norbert; Dong, Hua; Morrisseau, Christophe; Hammock, Bruce D; Landar, Aimee; Eaton, Philip	Circ Res (2011 Feb 4)	108 / 324-34	PubMed Citation
Reduction of inflammatory bowel disease-induced tumor development in IL-10 knockout mice with solubl ...	Zhang, Wanying; Liao, Jie; Li, Haonan; Dong, Hua; Bai, Han; Yang, Allison; Hammock, Bruce D; Yang, Guang-Yu	Mol Carcinog (2013 Sep)	52 / 726-38	PubMed Citation
Reduction of perchlorate and nitrate by microbial communities in vadose soil.	Nozawa-Inoue, Mamie; Scow, Kate M; Rolston, Dennis E	Appl Environ Microbiol (2005 Jul)	71 / 3928-34	PubMed Citation
Reduction of vitellogenin synthesis by an aryl hydrocarbon receptor agonist in the white sturgeon (A ...	Palumbo, Amanda J; Denison, Michael S; Doroshov, Serge I; Tjeerdema, Ronald S	Environ Toxicol Chem (2009 Aug)	28 / 1749-55	PubMed Citation
Regulation of ceramide biosynthesis by TOR complex 2.	Aronova, Sofia; Wedaman, Karen; Aronov, Pavel A; Fontes, Kristin; Ramos, Karmela; Hammock, Bruce D; Powers, Ted	Cell Metab (2008 Feb)	7 / 148-58	PubMed Citation
Regulation of rat plasma and cerebral cortex oxylipin concentrations with increasing levels of dieta ...	Taha, Ameer Y; Hennebelle, Marie; Yang, Jun; Zamora, Daisy; Rapoport, Stanley I; Hammock, Bruce D; Ramsden, Christopher E	Prostaglandins Leukot Essent Fatty Acids (2016 May 11)	/	PubMed Citation
Regulation of thioredoxin gene expression by vitamin A in human airway epithelial cells.	Chang, Wen-Hsing; Reddy, Sekhar P-M; Di, Yuan-Pu Peter; Yoneda, Ken; Harper, Richard; Wu, Reen	Am J Respir Cell Mol Biol (2002 May)	26 / 627-35	PubMed Citation
Regulatory application of ELISA: compliance monitoring of bromacil in soil.	Linde, C D; Gee, S J; Goh, K S; Hsu, J C; Hammock, B D; Barry, T A; Weaver, D J	Bull Environ Contam Toxicol (1996 Aug)	57 / 264-9	PubMed Citation
Relating desorption and biodegradation of phenanthrene to SOM structure characterized by quantitativ ...	Watanabe, Naoko; Schwartz, Egbert; Scow, Kate M; Young, Thomas M	Environ Sci Technol (2005 Aug 15)	39 / 6170-81	PubMed Citation

Relationship of serum estradiol and progesterone concentrations to the excretion profiles of their metabolites.	Munro, C J; Stabenfeldt, G H; Cragun, J R; Addiego, L A; Overstreet, J W; Lasley, B L	Clin Chem (1991 Jun)	37 / 838-44	PubMed Citation
Relaxin in the peri-implantation period.	Stewart, D R; Celniker, A C; Taylor Jr, C A; Cragun, J R; Overstreet, J W; Lasley, B L	J Clin Endocrinol Metab (1990 Jun)	70 / 1771-3	PubMed Citation
Relaxin secretion by human granulosa cell culture is predictive of in-vitro fertilization-embryo transfer.	Stewart, D R; VandeVoort, C A	Hum Reprod (1999 Feb)	14 / 338-44	PubMed Citation
Removal of triclocarban and triclosan during municipal biosolid production.	Ogunyoku, Temitope A; Young, Thomas M	Water Environ Res (2014 Mar)	86 / 197-203	PubMed Citation
Renal mechanisms contributing to the antihypertensive action of soluble epoxide hydrolase inhibition.	Honetschlägerová, Zuzana; Husková, Zuzana; Vaňourková, Zdeňka; Sporková, Alexandra; Kramer, Herbert J; Hwang, Sung Hee; Tsai, Hsing-Ju; Hammock, Bruce D; Imig, John D; Červenka, Luděk; Kopkan, Libor	J Physiol (2011 Jan 1)	589 / 207-19	PubMed Citation
Repeated inhalation exposures to the bioactivated cytotoxicant naphthalene (NA) produce airway-specific changes in gene expression.	West, Jay A A; Van Winkle, Laura S; Morin, Dexter; Fleschner, Chad A; Forman, Henry Jay; Plopper, Charles G	Toxicol Sci (2003 Sep)	75 / 161-8	PubMed Citation
Repeated inoculation as a strategy for the remediation of low concentrations of phenanthrene in soil.	Schwartz, E; Scow, K M	Biodegradation (2001)	12 / 201-7	PubMed Citation
Reproductive events of wild cotton-top tamarins (<i>Saguinus oedipus</i>) in Colombia.	Savage, A; Shideler, S E; Soto, L H; Causado, J; Giraldo, L H; Lasley, B L; Snowdon, C T	Am J Primatol (1997)	43 / 329-37	PubMed Citation
Resolving mechanisms of toxicity while pursuing ecotoxicological relevance?	Hinton, David E; Kullman, Seth W; Hardman, Ron C; Volz, David C; Chen, Pei-Jen; Carney, Michael; Bencic, David C	Mar Pollut Bull (2005)	51 / 635-48	PubMed Citation
Resonant Raman-scattering measurements of trichloroethene in a thermal boundary layer.	Zhang, Yanda; Kelly, Peter B; Kennedy, Ian M	Appl Opt (2002 May 20)	41 / 2962-72	PubMed Citation
Reversible stepwise negative regulation of CYP1A1 in cultured rat epidermal cells.	Monk, Scott A; Denison, Michael S; Rice, Robert H	Arch Biochem Biophys (2003 Nov 15)	419 / 158-69	PubMed Citation
Robust and sensitive monoclonal enzyme-linked immunosorbent assay for the herbicide molinate.	Rufo, Caterina; Hammock, Bruce D; Gee, Shirley J; Last, Jerold A; Gonzalez-Sapienza, Gualberto	J Agric Food Chem (2004 Jan 28)	52 / 182-7	PubMed Citation
Role of back diffusion and biodegradation reactions in sustaining an MTBE/TBA plume in alluvial media.	Rasa, Ehsan; Chapman, Steven W; Bekins, Barbara A; Fogg, Graham E; Scow, Kate M; Mackay, Douglas M	J Contam Hydrol (2011 Nov 1)	126 / 235-47	PubMed Citation
Role of cytochrome P-450 metabolites in the regulation of renal function and blood pressure in 2-kidney, 1-clip rats.	Sporkova, Alexandra; Kopkan, Libor; Varcavova, Sarka; Huskova, Zuzana; Hwang, Sung Hee; Hammock, Bruce D; Imig, John D; Kramer, Herbert J; Červenka, Ludek	Am J Physiol Regul Integr Comp Physiol (2011 Jun)	300 / R1468-75	PubMed Citation
Role of epoxide hydrolases in lipid metabolism.	Morrisseau, Christophe	Biochimie (2013 Jan)	95 / 91-5	PubMed Citation
Role of murine cytochrome P-450 2F2 in metabolic activation of naphthalene and metabolism of other xanthines.	Shultz, M A; Choudary, P V; Buckpitt, A R	J Pharmacol Exp Ther (1999 Jul)	290 / 281-8	PubMed Citation
Role of soluble epoxide hydrolase in postischemic recovery of heart contractile function.	Seubert, John M; Sinal, Christopher J; Graves, Joan; DeGraff, Laura M; Bradbury, J Alyce; Lee, Craig R; Goralski, Kerry; Carey, Michelle A; Luria, Ayala; Newman, John W; Hammock, Bruce D; Falick, John R; Roberts, Holly; Rockman, Howard A; Murphy, Elizabeth; Zeldin, Darryl C	Circ Res (2006 Aug 18)	99 / 442-50	PubMed Citation

Role of soluble epoxide hydrolase phosphatase activity in the metabolism of lysophosphatidic acids.	Morrisseau, Christophe; Schebb, Nils Helge; Dong, Hua; Ulu, Arzu; Aronov, Pavel A; Hammock, Bruce D	Biochem Biophys Res Commun (2012 Mar 23)	419 / 796-800	PubMed Citation
Role of volatilization in changing TBA and MTBE concentrations at MTBE-contaminated sites.	Eweis, Juana B; Labolle, Eric M; Benson, David A; Fogg, Graham E	Environ Sci Technol (2007 Oct 1)	41 / 6822-7	PubMed Citation
Ryanodine receptor type 1 (RyR1) possessing malignant hyperthermia mutation R615C exhibits heightened ...	Ta, Tram Anh; Pessah, Isaac N	Neurotoxicology (2007 Jul)	28 / 770-9	PubMed Citation
Salicylate-urea-based soluble epoxide hydrolase inhibitors with high metabolic and chemical stability ...	Kasagami, Takeo; Kim, In-Hae; Tsai, Hsing-Ju; Nishi, Kosuke; Hammock, Bruce D; Morrisseau, Christophe	Bioorg Med Chem Lett (2009 Mar 15)	19 / 1784-9	PubMed Citation
Salinity-induced regulation of the myo-inositol biosynthesis pathway in tilapia gill epithelium.	Sacchi, Romina; Li, Johnathon; Villarreal, Fernando; Gardell, Alison M; Kültz, Dietmar	J Exp Biol (2013 Dec 15)	216 / 4626-38	PubMed Citation
Salt loading increases urinary excretion of linoleic acid diols and triols in healthy human subjects ...	Dreisbach, Albert W; Rice, Janet C; Japa, Shanker; Newman, John W; Sigel, Aster; Gill, Rajan S; Hess, Arthur E; Cemo, Angela C; Fonseca, Juan P; Hammock, Bruce D; Lertora, Juan J L; Hamm, L Lee	Hypertension (2008 Mar)	51 / 755-61	PubMed Citation
Scalar dissipation rates in non-conservative transport systems.	Engdahl, Nicholas B; Ginn, Timothy R; Fogg, Graham E	J Contam Hydrol (2013 Jun)	149 / 46-60	PubMed Citation
Secretion and excretion of human chorionic gonadotropin during early pregnancy.	Lohstroh, Pete N; Overstreet, James W; Stewart, Dennis R; Nakajima, Steven T; Cragun, Jeffrey R; Boyers, Stephen P; Lasley, Bill L	Fertil Steril (2005 Apr)	83 / 1000-11	PubMed Citation
Sediment microbial community composition and methylmercury pollution at four mercury mine-impacted sites ...	Batten, K M; Scow, K M	Microb Ecol (2003 Nov)	46 / 429-41	PubMed Citation
Sediment microbial community structure and mercury methylation in mercury-polluted Clear Lake, Calif ...	Macalady, J L; Mack, E E; Nelson, D C; Scow, K M	Appl Environ Microbiol (2000 Apr)	66 / 1479-88	PubMed Citation
Semen characteristics of Vietnam veterans.	DeStefano, F; Annest, J L; Kresnow, M J; Schrader, S M; Katz, D F	Reprod Toxicol (1989)	3 / 165-73	PubMed Citation
Serum epoxide hydrolase (preneoplastic antigen) in human and experimental liver injury.	Moody, D E; Loury, D N; Hammock, B D; Ruebner, B H; Cullen, J M; Hillman, J H; Hillman, D W; Rao, M S; London, W T; Hann, H W	Cancer Epidemiol Biomarkers Prev (1992 Jul-Aug)	1 / 395-403	PubMed Citation
Serum oxylipin profiles in IgA nephropathy patients reflect kidney functional alterations.	Zivkovic, Angela M; Yang, Jun; Georgi, Katrin; Hegedus, Christine; Nording, Malin L; O'Sullivan, Aifric; German, J Bruce; Hogg, Ronald J; Weiss, Robert H; Bay, Curt; Hammock, Bruce D	Metabolomics (2012 Dec)	8 / 1102-1113	PubMed Citation
Serum proteins prevent aggregation of Fe2O3 and ZnO nanoparticles.	Wells, Mark A; Abid, Aamir; Kennedy, Ian M; Barakat, Abdul I	Nanotoxicology (2012 Dec)	6 / 837-46	PubMed Citation
Serum relaxin concentrations in patients with out-of-phase endometrial biopsies.	Stewart, D R; Cragun, J R; Boyers, S P; Oi, R; Overstreet, J W; Lasley, B L	Fertil Steril (1992 Feb)	57 / 453-5	PubMed Citation
Sex differences in the development of airway epithelial tolerance to naphthalene.	Sutherland, K M; Edwards, P C; Combs, T J; Van Winkle, L S	Am J Physiol Lung Cell Mol Physiol (2012 Jan)	302 / L68-81	PubMed Citation
Simple extraction and enzyme immunoassays for estrogen and progesterone metabolites in the feces of ...	Shideler, S E; Ortuno, A M; Moran, F M; Moorman, E A; Lasley, B L	Biol Reprod (1993 Jun)	48 / 1290-8	PubMed Citation

Simulation of human luteal endocrine function with granulosa lutein cell culture.	Stewart, D R; Vandervoort, C A	J Clin Endocrinol Metab (1997 Sep)	82 / 3078-83	PubMed Citation
Simultaneous determination of multiple aldehydes in biological tissues and fluids using gas chromatography ...	Bruenner, B A; Jones, A D; German, J B	Anal Biochem (1996 Oct 15)	241 / 212-9	PubMed Citation
Simultaneous determination of polybrominated diphenyl ethers and polychlorinated biphenyls by gas chromatography ...	Lin, Yan-ping; Pessah, Isaac N; Puschner, Birgit	Talanta (2013 Sep 15)	113 / 41-8	PubMed Citation
Single-Cell Mechanics Provides an Effective Means To Probe in Vivo Interactions between Alveolar Macrophages and Neutrophils	Liu, Ying X; Karsai, Arpad; Anderson, Donald S; Silva, Rona M; Uyeminami, Dale L; Van Winkle, Laura S; Pinkerton, Kent E; Liu, Gang-yu	J Phys Chem B (2015 Dec 10)	119 / 15118-29	PubMed Citation
Site-specific metabolism of naphthalene and 1-nitronaphthalene in dissected airways of rhesus macaques	Boland, Bridget; Lin, Ching Yu; Morin, Dexter; Miller, Lisa; Plopper, Charles; Buckpitt, Alan	J Pharmacol Exp Ther (2004 Aug)	310 / 546-54	PubMed Citation
Size dependent elemental composition of road-associated particles.	McKenzie, Erica R; Wong, Carol M; Green, Peter G; Kayhanian, Masoud; Young, Thomas M	Sci Total Environ (2008 Jul 15)	398 / 145-53	PubMed Citation
Size-Dependent Deposition, Translocation, and Microglial Activation of Inhaled Silver Nanoparticles ...	Patchin, Esther Shin; Anderson, Donald S; Silva, Rona M; Uyeminami, Dale L; Scott, Grace M; Guo, Ting; Van Winkle, Laura S; Pinkerton, Kent E	Environ Health Perspect (2016 Dec)	124 / 1870-1875	PubMed Citation
Slow desorption of volatile organic compounds from soil: evidence of desorption step limitations.	Raihala, T S; Wang, Y; Jackman, A P	J Hazard Mater (1999 Mar 19)	65 / 247-65	PubMed Citation
Small particles disrupt postnatal airway development.	Lee, DongYoub; Wallis, Chris; Wexler, Anthony S; Schelegle, Edward S; Van Winkle, Laura S; Plopper, Charles G; Fanucchi, Michelle V; Kumfer, Ben; Kennedy, Ian M; Chan, Jackie K W	J Appl Physiol (1985) (2010 Oct)	109 / 1115-24	PubMed Citation
Soil nitrogen transformations under elevated atmospheric CO ₂ and O ₃ during the soybean growing season	Pujol Pereira, Engil Isadora; Chung, Haegeun; Scow, Kate; Sadowsky, Michael J; van Kessel, Chris; Six, Johan	Environ Pollut (2011 Feb)	159 / 401-7	PubMed Citation
Soil Physical Constraints on Intrinsic Biodegradation of Petroleum Vapors in a Layered Subsurface.	Kristensen, Andreas H; Henriksen, Kaj; Mortensen, Lars; Scow, Kate M; Moldrup, Per	Vadose Zone J (2010 Feb)	9 / 137-147	PubMed Citation
Soil water content and organic carbon availability are major determinants of soil microbial community ...	Drenovsky, R E; Vo, D; Graham, K J; Scow, K M	Microb Ecol (2004 Oct)	48 / 424-30	PubMed Citation
Solid-phase combinatorial approach for the optimization of soluble epoxide hydrolase inhibitors.	Hwang, Sung Hee; Morrisseau, Christophe; Do, Zung; Hammock, Bruce D	Bioorg Med Chem Lett (2006 Nov 15)	16 / 5773-7	PubMed Citation
Soluble epoxide hydrolase and epoxyeicosatrienoic acids modulate two distinct analgesic pathways.	Inceoglu, Bora; Jinks, Steven L; Ulu, Arzu; Hegedus, Christine M; Georgi, Katrin; Schmelzer, Kara R; Wagner, Karen; Jones, Paul D; Morrisseau, Christophe; Hammock, Bruce D	Proc Natl Acad Sci U S A (2008 Dec 2)	105 / 18901-6	PubMed Citation
Soluble epoxide hydrolase deficiency alters pancreatic islet size and improves glucose homeostasis in mice	Luria, Ayala; Bettaieb, Ahmed; Xi, Yannan; Shieh, Guang-Jong; Liu, Hsin-Chen; Inoue, Hiromi; Tsai, Hsing-Ju; Imig, John D; Haj, Fawaz G; Hammock, Bruce D	Proc Natl Acad Sci U S A (2011 May 31)	108 / 9038-43	PubMed Citation
Soluble epoxide hydrolase deficiency inhibits dextran sulfate sodium-induced colitis and carcinogenesis	Zhang, Wanying; Li, Haonan; Dong, Hua; Liao, Jie; Hammock, Bruce D; Yang, Guang-Yu	Anticancer Res (2013 Dec)	33 / 5261-71	PubMed Citation
Soluble epoxide hydrolase deficiency or inhibition attenuates diet-induced endoplasmic reticulum stress	Bettaieb, Ahmed; Nagata, Naoto; AbouBechara, Daniel; Chaheb, Samah; Morrisseau, Christophe; Hammock, Bruce D; Haj, Fawaz G	J Biol Chem (2013 May 17)	288 / 14189-99	PubMed Citation

Soluble epoxide hydrolase gene deficiency or inhibition attenuates chronic active inflammatory bowel ...	Zhang, Wanying; Yang, Allison L; Liao, Jie; Li, Haonan; Dong, Hua; Chung, Yeon Tae; Bai, Han; Matkowskyj, Kristina A; Hammock, Bruce D; Yang, Guang-Yu	Dig Dis Sci (2012 Oct)	57 / 2580-91	PubMed Citation
Soluble epoxide hydrolase homologs in <i>Strongylocentrotus purpuratus</i> suggest a gene duplication event ...	Harris, Todd R; Aronov, Pavel A; Hammock, Bruce D	DNA Cell Biol (2008 Sep)	27 / 467-77	PubMed Citation
Soluble epoxide hydrolase in atherosclerosis.	Wang, Yi-Xin Jim; Ulu, Arzu; Zhang, Le-Ning; Hammock, Bruce	Curr Atheroscler Rep (2010 May)	12 / 174-83	PubMed Citation
Soluble epoxide hydrolase in the generation and maintenance of high blood pressure in spontaneously ...	Koeners, Maarten P; Wesseling, Sebastiaan; Ulu, Arzu; Sepulveda, Rocio Lopez; Morisseau, Christophe; Braam, Branko; Hammock, Bruce D; Joles, Jaap A	Am J Physiol Endocrinol Metab (2011 Apr)	300 / E691-8	PubMed Citation
Soluble epoxide hydrolase inhibition improves coronary endothelial function and prevents the develop ...	Roche, Clothilde; Besnier, Marie; Cassel, Roméo; Harouki, Nahaj; Coquerel, David; Guerrot, Dominique; Nicol, Lionel; Loizon, Emmanuelle; Remy-Jouet, Isabelle; Morisseau, Christophe; Mulder, Paul; Ouvrard-Pascaud, Antoine; Madec, Anne-Marie; Richard, Vincent; Bellien, Jeremy	Am J Physiol Heart Circ Physiol (2015 May 1)	308 / H1020-9	PubMed Citation
Soluble epoxide hydrolase inhibition is antinociceptive in a mouse model of diabetic neuropathy.	Wagner, Karen; Yang, Jun; Inceoglu, Bora; Hammock, Bruce D	J Pain (2014 Sep)	15 / 907-14	PubMed Citation
Soluble epoxide hydrolase inhibition lowers arterial blood pressure in angiotensin II hypertension.	Imig, John D; Zhao, Xueying; Capdevila, Jorge H; Morisseau, Christophe; Hammock, Bruce D	Hypertension (2002 Feb)	39 / 690-4	PubMed Citation
Soluble epoxide hydrolase inhibition protects the kidney from hypertension-induced damage.	Zhao, Xueying; Yamamoto, Tatsuo; Newman, John W; Kim, In-Hae; Watanabe, Takaho; Hammock, Bruce D; Stewart, Janet; Pollock, Jennifer S; Pollock, David M; Imig, John D	J Am Soc Nephrol (2004 May)	15 / 1244-53	PubMed Citation
Soluble epoxide hydrolase inhibition reveals novel biological functions of epoxyeicosatrienoic acids ...	Inceoglu, Bora; Schmelzer, Kara R; Morisseau, Christophe; Jinks, Steve L; Hammock, Bruce D	Prostaglandins Other Lipid Mediat (2007 Jan)	82 / 42-9	PubMed Citation
Soluble epoxide hydrolase inhibition, epoxygenated fatty acids and nociception.	Wagner, Karen; Inceoglu, Bora; Hammock, Bruce D	Prostaglandins Other Lipid Mediat (2011 Nov)	96 / 76-83	PubMed Citation
Soluble epoxide hydrolase inhibitor attenuates inflammation and airway hyperresponsiveness in mice.	Yang, Jun; Bratt, Jennifer; Franzi, Lisa; Liu, Jun-Yan; Zhang, Guodong; Zeki, Amir A; Vogel, Christoph F A; Williams, Keisha; Dong, Hua; Lin, Yanping; Hwang, Sung Hee; Kenyon, Nicholas J; Hammock, Bruce D	Am J Respir Cell Mol Biol (2015 Jan)	52 / 46-55	PubMed Citation
Soluble epoxide hydrolase inhibitors and heart failure.	Qiu, Hong; Li, Ning; Liu, Jun-Yan; Harris, Todd R; Hammock, Bruce D; Chiamvimonvat, Nipavan	Cardiovasc Ther (2011 Apr)	29 / 99-111	PubMed Citation
Soluble epoxide hydrolase inhibitors reduce the development of atherosclerosis in apolipoprotein e-k ...	Ulu, Arzu; Davis, Benjamin B; Tsai, Hsing-Ju; Kim, In-Hae; Morisseau, Christophe; Inceoglu, Bora; Fiehn, Oliver; Hammock, Bruce D; Weiss, Robert H	J Cardiovasc Pharmacol (2008 Oct)	52 / 314-23	PubMed Citation
Soluble epoxide hydrolase is a main effector of angiotensin II-induced hypertension.	Jung, Oliver; Brandes, Ralf P; Kim, In-Hae; Schweda, Frank; Schmidt, Ronald; Hammock, Bruce D; Busse, Rudi; Fleming, Ingrid	Hypertension (2005 Apr)	45 / 759-65	PubMed Citation

Soluble epoxide hydrolase is a therapeutic target for acute inflammation.	Schmelzer, Kara R; Kubala, Lukas; Newman, John W; Kim, In-Hae; Eiserich, Jason P; Hammock, Bruce D	Proc Natl Acad Sci U S A (2005 Jul 12)	102 / 9772-7	PubMed Citation
Soluble Epoxide Hydrolase Pharmacological Inhibition Ameliorates Experimental Acute Pancreatitis in ...	Bettaieb, Ahmed; Chahed, Samah; Bachaalanay, Santana; Griffey, Stephen; Hammock, Bruce D; Haj, Fawaz G	Mol Pharmacol (2015 Aug)	88 / 281-90	PubMed Citation
Soluble epoxide hydrolase plays an essential role in angiotensin II-induced cardiac hypertrophy.	Ai, Ding; Pang, Wei; Li, Nan; Xu, Ming; Jones, Paul D; Yang, Jun; Zhang, Youyi; Chiamvimonvat, Nipavan; Shyy, John Y-J; Hammock, Bruce D; Zhu, Yi	Proc Natl Acad Sci U S A (2009 Jan 13)	106 / 564-9	PubMed Citation
Soluble epoxide hydrolase: a novel therapeutic target in stroke.	Zhang, Wenri; Koerner, Ines P; Noppens, Ruediger; Grafe, Marjorie; Tsai, Hsing-Ju; Morisseau, Christophe; Luria, Ayala; Hammock, Bruce D; Falck, John R; Alkayed, Nabil J	J Cereb Blood Flow Metab (2007 Dec)	27 / 1931-40	PubMed Citation
Sorafenib attenuates p21 in kidney cancer cells and augments cell death in combination with DNA-dama ...	Inoue, Hiromi; Hwang, Sung Hee; Wecksler, Aaron T; Hammock, Bruce D; Weiss, Robert H	Cancer Biol Ther (2011 Nov 1)	12 / 827-36	PubMed Citation
Sorafenib has soluble epoxide hydrolase inhibitory activity, which contributes to its effect profile ...	Liu, Jun-Yan; Park, See-Hyoung; Morisseau, Christophe; Hwang, Sung Hee; Hammock, Bruce D; Weiss, Robert H	Mol Cancer Ther (2009 Aug)	8 / 2193-203	PubMed Citation
Sorption, Leaching, and Surface Runoff of Beef Cattle Veterinary Pharmaceuticals under Simulated Irr ...	Popova, Inna E; Bair, Daniel A; Tate, Kenneth W; Parikh, Sanjai J	J Environ Qual (2013 Jul)	42 / 1167-75	PubMed Citation
Speciation of arsenic oxides using laser desorption/ionization time-of-flight mass spectrometry.	Allen, T M; Bezabeh, D Z; Smith, C H; McCauley, E M; Jones, A D; Chang, D P; Kennedy, I M; Kelly, P B	Anal Chem (1996 Nov 15)	68 / 4052-9	PubMed Citation
Species differences in membrane susceptibility to lipid peroxidation.	Singh, Y; Hall, G L; Miller, M G	J Biochem Toxicol (1992)	7 / 97-105	PubMed Citation
Species differences in susceptibility to 1,3-dinitrobenzene-induced testicular toxicity and methemog ...	Obasaju, M F; Katz, D F; Miller, M G	Fundam Appl Toxicol (1991 Feb)	16 / 257-66	PubMed Citation
Species differences in the regio- and stereoselectivity of 1-nitronaphthalene metabolism.	Watt, K C; Buckpitt, A R	Drug Metab Dispos (2000 Apr)	28 / 376-8	PubMed Citation
Species-specific recombinant cell lines as bioassay systems for the detection of 2,3,7,8-tetrachloro ...	Garrison, P M; Tullis, K; Aarts, J M; Brouwer, A; Giesy, J P; Denison, M S	Fundam Appl Toxicol (1996 Apr)	30 / 194-203	PubMed Citation
Specificity of nuclear protein binding to a CYP1A1 negative regulatory element.	Nagy, Scott R; Denison, Michael S	Biochem Biophys Res Commun (2002 Aug 30)	296 / 799-805	PubMed Citation
Spontaneous immortalization of human epidermal cells with naturally elevated telomerase.	Rea, Miguel A; Zhou, Lei; Qin, Qin; Barrandon, Yann; Easley, Karen W; Gunzner, Sarah F; Phillips, Marjorie A; Holland, William S; Gumerlock, Paul H; Rocke, David M; Rice, Robert H	J Invest Dermatol (2006 Nov)	126 / 2507-15	PubMed Citation
Stabilized epoxygenated fatty acids regulate inflammation, pain, angiogenesis and cancer.	Zhang, Guodong; Kodani, Sean; Hammock, Bruce D	Prog Lipid Res (2014 Jan)	53 / 108-23	PubMed Citation
Stable-isotope dilution GC-MS for determination of toluene in submilliliter volumes of whole blood.	Jones, A D; Dunlap, M R; Gospé Jr, S M	J Anal Toxicol (1994 Sep)	18 / 251-4	PubMed Citation
Statistical design of ELISA protocols.	Bunch, D S; Rocke, D M; Harrison, R O	J Immunol Methods (1990 Sep 14)	132 / 247-54	PubMed Citation
Stereoselective hydrolysis of pyrethroid-like fluorescent substrates by human and other mammalian li ...	Huang, Huazhang; Fleming, Christopher D; Nishi, Kosuke; Redinbo, Matthew R; Hammock, Bruce D	Chem Res Toxicol (2005 Sep)	18 / 1371-7	PubMed Citation

Stimulation of airway mucin gene expression by interleukin (IL)-17 through IL-6 paracrine/autocrine ...	Chen, Yin; Thai, Philip; Zhao, Yu-Hua; Ho, Ye-Shih; DeSouza, Mary M; Wu, Reen	J Biol Chem (2003 May 9)	278 / 17036-43	PubMed Citation
Stimulation of primate luteal function by recombinant human chorionic gonadotropin and modulation of ...	Duffy, D M; Hutchison, J S; Stewart, D R; Stouffer, R L	J Clin Endocrinol Metab (1996 Jun)	81 / 2307-13	PubMed Citation
Strategies of ovarian function of importance to gynecologic investigations.	Lasley, B; Benirschke, K	J Soc Gynecol Investig (1994 Oct-Dec)	1 / 247-55	PubMed Citation
Stress-mediated increases in systemic and local epinephrine impair skin wound healing: potential new ...	Sivamani, Raja K; Pullar, Christine E; Manabat-Hidalgo, Catherine G; Rocke, David M; Carlsen, Richard C; Greenhalgh, David G; Isseroff, R Rivkah	PLoS Med (2009 Jan 13)	6 / e12	PubMed Citation
Structural and biochemical changes underlying a keratoderma-like phenotype in mice lacking suprabasa ...	Rorke, E A; Adhikary, G; Young, C A; Rice, R H; Elias, P M; Crumrine, D; Meyer, J; Blumenberg, M; Eckert, R L	Cell Death Dis (2015)	6 / e1647	PubMed Citation
Structural and functional consequences of haloenol lactone inactivation of murine and human glutathi ...	Mitchell, A E; Zheng, J; Hammock, B D; Lo Bello, M; Jones, A D	Biochemistry (1998 May 12)	37 / 6752-9	PubMed Citation
Structural changes in epidermal scale and appendages as indicators of defective TGM1 activity.	Rice, Robert H; Crumrine, Debra; Uchida, Yoshikazu; Gruber, Robert; Elias, Peter M	Arch Dermatol Res (2005 Sep)	297 / 127-33	PubMed Citation
Structural refinement of inhibitors of urea-based soluble epoxide hydrolases.	Morrisseau, Christophe; Goodrow, Marvin H; Newman, John W; Wheelock, Craig E; Dowdy, Deanna L; Hammock, Bruce D	Biochem Pharmacol (2002 May 1)	63 / 1599-608	PubMed Citation
Structure of human epoxide hydrolase reveals mechanistic inferences on bifunctional catalysis in epo ...	Gomez, German A; Morrisseau, Christophe; Hammock, Bruce D; Christianson, David W	Biochemistry (2004 Apr 27)	43 / 4716-23	PubMed Citation
Structure-activity relationship for noncoplanar polychlorinated biphenyl congeners toward the ryanod ...	Pessah, Isaac N; Hansen, Larry G; Albertson, Timothy E; Garner, C Edwin; Ta, Tram Anh; Do, Zung; Kim, Kyung Ho; Wong, Patty W	Chem Res Toxicol (2006 Jan)	19 / 92-101	PubMed Citation
Structure-activity relationship of non-coplanar polychlorinated biphenyls toward skeletal muscle rya ...	Fritsch, Erika B; Pessah, Isaac N	Aquat Toxicol (2013 Sep 15)	140-141 / 204-12	PubMed Citation
Structure-activity relationship of selected meta- and para-hydroxylated non-dioxin like polychlorina ...	Niknam, Yassaman; Feng, Wei; Cherednichenko, Gennady; Dong, Yao; Joshi, Sudhir N; Vyas, Sandhya M; Lehmler, Hans-Joachim; Pessah, Isaac N	Toxicol Sci (2013 Dec)	136 / 500-13	PubMed Citation
Structure-activity relationships of cycloalkylamide derivatives as inhibitors of the soluble epoxide ...	Kim, In-Hae; Park, Yong-Kyu; Hammock, Bruce D; Nishi, Kosuke	J Med Chem (2011 Mar 24)	54 / 1752-61	PubMed Citation
Subacute nicotine co-exposure has no effect on 2,2',3,5',6-pentachlorobiphenyl disposition but alte ...	Stamou, Marianna; Uwimana, Eric; Flannery, Brenna M; Kania-Korwel, Izabela; Lehmler, Hans-Joachim; Lein, Pamela J	Toxicology (2015 Dec 02)	338 / 59-68	PubMed Citation
Sublethal effects of chromium-VI in the Asian clam (<i>Potamocorbula amurensis</i>).	Teh, S J; Werner, I; Hinton, D E	Mar Environ Res (2000 Jul-Dec)	50 / 295-300	PubMed Citation
Sublethal effects of CuO nanoparticles on Mozambique tilapia (<i>Oreochromis mossambicus</i>) are modulated ...	Villarreal, Fernando D; Das, Gautam Kumar; Abid, Aamir; Kennedy, Ian M; Kültz, Dietmar	PLoS One (2014)	9 / e88723	PubMed Citation
Substituted 3-phenylpropenoates and related analogs: electron ionization mass spectral fragmentation ...	Wheelock, C E; Colvin, M E; Sanborn, J R; Hammock, B D	J Mass Spectrom (2008 Aug)	43 / 1053-62	PubMed Citation
Substituted adamantyl-urea inhibitors of the soluble epoxide hydrolase dilate mesenteric resistance ...	Olearczyk, Jeffrey J; Field, Mary B; Kim, In-Hae; Morrisseau, Christophe; Hammock, Bruce D; Imig, John D	J Pharmacol Exp Ther (2006 Sep)	318 / 1307-14	PubMed Citation

Substituted phenyl groups improve the pharmacokinetic profile and anti-inflammatory effect of urea-b ...	Liu, Jun-Yan; Lin, Yan-Ping; Qiu, Hong; Morisseau, Christophe; Rose, Tristan E; Hwang, Sung Hee; Chiamvimonvat, Nipavan; Hammock, Bruce D	Eur J Pharm Sci (2013 Mar 12)	48 / 619-27	PubMed Citation
Substrate interactions in BTEX and MTBE mixtures by an MTBE-degrading isolate.	Deeb, R A; Hu, H Y; Hanson, J R; Scow, K M; Alvarez-Cohen, L	Environ Sci Technol (2001 Jan 15)	35 / 312-7	PubMed Citation
Successful treatment of an MTBE-impacted aquifer using a bioreactor self-colonized by native aquifer ...	Hicks, Kristin A; Schmidt, Radomir; Nickelsen, Michael G; Boyle, Susan L; Baker, Jeffrey M; Tornatore, Paul M; Hristova, Krassimira R; Scow, Kate M	Biodegradation (2014 Feb)	25 / 41-53	PubMed Citation
Superparamagnetic particle dynamics and mixing in a rotating capillary tube with a stationary magnet ...	Lee, Jun-Tae; Abid, Aamir; Cheung, Ka Ho; Sudheendra, L; Kennedy, Ian M	Microfluid Nanofluidics (2012 Sep 1)	13 / 461-468	PubMed Citation
Survival and growth of <i>Salmonella Enteritidis</i> PT 30 in almond orchard soils.	Danyluk, M D; Nozawa-Inoue, M; Hristova, K R; Scow, K M; Lampinen, B; Harris, L J	J Appl Microbiol (2008 May)	104 / 1391-9	PubMed Citation
Susceptibility to inhaled flame-generated ultrafine soot in neonatal and adult rat lungs.	Chan, Jackie K W; Fanucchi, Michelle V; Anderson, Donald S; Abid, Aamir D; Wallis, Christopher D; Dickinson, Dale A; Kumfer, Benjamin M; Kennedy, Ian M; Wexler, Anthony S; Van Winkle, Laura S	Toxicol Sci (2011 Dec)	124 / 472-86	PubMed Citation
Symmetric adamantyl-diureas as soluble epoxide hydrolase inhibitors.	Burmistrov, Vladimir; Morisseau, Christophe; Lee, Kin Sing Stephen; Shihadih, Diyala S; Harris, Todd R; Butov, Gennady M; Hammock, Bruce D	Bioorg Med Chem Lett (2014 May 1)	24 / 2193-7	PubMed Citation
Synthesis and bio-functionalization of multifunctional magnetic Fe(3)O(4)@Y(2)O(3):Eu nanocomposites ...	Ma, Zhi Ya; Dosev, Dosi; Nichkova, Mikaela; Gee, Shirley J; Hammock, Bruce D; Kennedy, Ian M	J Mater Chem (2009 Jan 1)	19 / 4695-4700	PubMed Citation
Synthesis and biological evaluation of sorafenib- and regorafenib-like sEH inhibitors.	Hwang, Sung Hee; Wecksler, Aaron T; Zhang, Guodong; Morisseau, Christophe; Nguyen, Long V; Fu, Samuel H; Hammock, Bruce D	Bioorg Med Chem Lett (2013 Jul 1)	23 / 3732-7	PubMed Citation
Synthesis and characterization of multifunctional silica core-shell nanocomposites with magnetic and ...	Ma, Zhiya; Dosev, Dosi; Nichkova, Mikaela; Dumas, Randy K; Gee, Shirley J; Hammock, Bruce D; Liu, Kai; Kennedy, Ian M	J Magn Magn Mater (2009 May 1)	321 / 1368-1371	PubMed Citation
Synthesis and estrogen receptor affinity of a 4-hydroxytamoxifen-labeled ligand for diagnostic imagi ...	Lashley, Matthew R; Niedzinski, Edmund J; Rogers, Jane M; Denison, Michael S; Nantz, Michael H	Bioorg Med Chem (2002 Dec)	10 / 4075-82	PubMed Citation
Synthesis and reactions of 7-fluoro-4-methyl-6-nitro-2-oxo-2H-1-benzopyran-3-carboxylic acid: a nove ...	Song, Aimin; Zhang, Jinhua; Lam, Kit S	J Comb Chem (2004 Jan-Feb)	6 / 112-20	PubMed Citation
Synthesis and SAR of conformationally restricted inhibitors of soluble epoxide hydrolase.	Jones, Paul D; Tsai, Hsing-Ju; Do, Zung N; Morisseau, Christophe; Hammock, Bruce D	Bioorg Med Chem Lett (2006 Oct 1)	16 / 5212-6	PubMed Citation
Synthesis and structure-activity relationship studies of urea-containing pyrazoles as dual inhibitor ...	Hwang, Sung Hee; Wagner, Karen M; Morisseau, Christophe; Liu, Jun-Yan; Dong, Hua; Wecksler, Aaron T; Hammock, Bruce D	J Med Chem (2011 Apr 28)	54 / 3037-50	PubMed Citation
Synthesis of haptens and protein conjugates for the development of immunoassays for the insect growt ...	Szurdoki, Ferenc; Szekacs, Andras; Le, Hong M; Hammock, Bruce D	J Agric Food Chem (2002 Jan 2)	50 / 29-40	PubMed Citation
Synthesis of new carboxylesterase inhibitors and evaluation of potency and water solubility.	Wheelock, C E; Severson, T F; Hammock, B D	Chem Res Toxicol (2001 Dec)	14 / 1563-72	PubMed Citation

Systemic alterations in the metabolome of diabetic NOD mice delineate increased oxidative stress acc ...	Fahrmann, Johannes; Grapov, Dmitry; Yang, Jun; Hammock, Bruce; Fiehn, Oliver; Bell, Graeme I; Hara, Manami	Am J Physiol Endocrinol Metab (2015 Jun 1)	308 / E978-89	PubMed Citation
TCDD causes stimulation of c-ras expression in the hepatic plasma membranes in vivo and in vitro.	Tullis, K; Olsen, H; Bombick, D W; Matsumura, F; Jankun, J	J Biochem Toxicol (1992)	7 / 107-16	PubMed Citation
TCDD suppression of tissue transglutaminase stimulation by retinoids in malignant human keratinocyte ...	Krig, S R; Rice, R H	Toxicol Sci (2000 Aug)	56 / 357-64	PubMed Citation
Telomerase deregulation in immortalized human epidermal cells: modulation by cellular microenvironme ...	Rea, M A; Rice, R H	Int J Cancer (2001 Dec 1)	94 / 669-73	PubMed Citation
Tetramethylenedisulfotetramine alters Ca ²⁺ dynamics in cultured hippocampal neurons: mitigation by N ...	Cao, Zhengyu; Hammock, Bruce D; McCoy, Mark; Rogawski, Michael A; Lein, Pamela J; Pessah, Isaac N	Toxicol Sci (2012 Dec)	130 / 362-72	PubMed Citation
Thapsigargin induces phosphorylation of the 27-kDa heat shock protein in human keratinocytes.	Shi, B; Isseroff, R R	J Invest Dermatol (1996 Nov)	107 / 749-54	PubMed Citation
The 2014 Bernard B. Brodie award lecture-epoxide hydrolases: drug metabolism to therapeutics for chr ...	Kodani, Sean D; Hammock, Bruce D	Drug Metab Dispos (2015 May)	43 / 788-802	PubMed Citation
The anti-inflammatory effects of soluble epoxide hydrolase inhibitors are independent of leukocyte r ...	Davis, Benjamin B; Liu, Jun-Yan; Tancredi, Daniel J; Wang, Lei; Simon, Scott I; Hammock, Bruce D; Pinkerton, Kent E	Biochem Biophys Res Commun (2011 Jul 8)	410 / 494-500	PubMed Citation
The antiinflammatory effect of laminar flow: the role of PPARgamma, epoxyeicosatrienoic acids, and s ...	Liu, Yi; Zhang, Yingjia; Schmelzer, Kara; Lee, Tzong-Shyuan; Fang, Xiang; Zhu, Yi; Spector, Arthur A; Gill, Sarjeet; Morisseau, Christophe; Hammock, Bruce D; Shyy, John Y-J	Proc Natl Acad Sci U S A (2005 Nov 15)	102 / 16747-52	PubMed Citation
The antimicrobial triclocarban stimulates embryo production in the freshwater mudsnail Potamopyrgus ...	Giudice, Ben D; Young, Thomas M	Environ Toxicol Chem (2010 Apr)	29 / 966-70	PubMed Citation
The bovine lactation genome: insights into the evolution of mammalian milk.	Lemay, Danielle G; Lynn, David J; Martin, William F; Neville, Margaret C; Casey, Theresa M; Rincon, Gonzalo; Kriventseva, Evgenia V; Barris, Wesley C; Hinrichs, Angie S; Molenaar, Adrian J; Pollard, Katherine S; Maqbool, Nauman J; Singh, Kuljeet; Murney, Regan; Zdobnov, Evgeny M; Tellam, Ross L; Medrano, Juan F; German, J Bruce; Rijnkels, Monique	Genome Biol (2009)	10 / R43	PubMed Citation
The cloning and characterization of a soluble epoxide hydrolase in chicken.	Harris, T R; Morisseau, C; Walzem, R L; Ma, S J; Hammock, B D	Poult Sci (2006 Feb)	85 / 278-87	PubMed Citation
The commonly used antimicrobial additive triclosan is a liver tumor promoter.	Yueh, Mei-Fei; Taniguchi, Koji; Chen, Shujuan; Evans, Ronald M; Hammock, Bruce D; Karin, Michael; Tukey, Robert H	Proc Natl Acad Sci U S A (2014 Dec 2)	111 / 17200-5	PubMed Citation
The cpk model of recessive PKD shows glutamine dependence associated with the production of the onco ...	Hwang, Vicki J; Kim, Jeffrey; Rand, Amy; Yang, Chaozhe; Sturdivant, Steve; Hammock, Bruce; Bell, P Darwin; Guay-Woodford, Lisa M; Weiss, Robert H	Am J Physiol Renal Physiol (2015 Sep 15)	309 / F492-8	PubMed Citation

The ecoresponsive genome of <i>Daphnia pulex</i> .	Colbourne, John K; Pfrender, Michael E; Gilbert, Donald; Thomas, W Kelley; Tucker, Abraham; Oakley, Todd H; Tokishita, Shinichi; Aerts, Andrea; Arnold, Georg J; Basu, Malay Kumar; Bauer, Darren J; Cáceres, Carla E; Carmel, Liran; Casola, Claudio; Choi, Jeong-Hyeon; Detter, John C; Dong, Qunfeng; Dusheyko, Serge; Eads, Brian D; Fröhlich, Thomas; Geiler-Samerotte, Kerry A; Gerlach, Daniel; Hatcher, Phil; Jogdeo, Sanjuro; Krijgsfeld, Jeroen; Kriventseva, Evgenia V; Kültz, Dietmar; Laforsch, Christian; Lindquist, Erika; Lopez, Jacqueline; Manak, J Robert; Muller, Jean; Pangilinan, Jasmyn; Patwardhan, Rupali P; Pitluck, Samuel; Pritham, Ellen J; Rechtsteiner, Andreas; Rho, Mina; Rogozin, Igor B; Sakarya, Onur; Salamov, Asaf; Schaack, Sarah; Shapiro, Harris; Shiga, Yasuhiro; Skalitzky, Courtney; Smith, Zachary; Souvorov, Alexander; Sung, Way; Tang, Zuojian; Tsuchiya, Dai; Tu, Hank; Vos, Harmjan; Wang, Mei; Wolf, Yuri I; Yamagata, Hideo; Yamada, Takuji; Ye, Yuzhen; Shaw, Joseph R; Andrews, Justen; Crease, Teresa J; Tang, Haixu; Lucas, Susan M; Robertson, Hugh M; Bork, Peer; Koonin, Eugene V; Zdobnov, Evgeny M; Grigoriev, Igor V; Lynch, Michael; Boore, Jeffrey L	Science (2011 Feb 4)	331 / 555-61	PubMed Citation
The effect of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) on chorionic gonadotrophin activity in preg ...	Chen, Jiangang; Laughlin, Lisa S; Hendrickx, Andrew G; Natarajan, Kala; Overstreet, James W; Lasley, Bill L	Toxicology (2003 Apr 15)	186 / 21-31	PubMed Citation
The effects of dual-domain mass transfer on the tritium-helium-3 dating method.	Neumann, Rebecca B; Labolle, Eric M; Harvey, Charles F	Environ Sci Technol (2008 Jul 1)	42 / 4837-43	PubMed Citation
The environmental neurotoxicant PCB 95 promotes synaptogenesis via ryanodine receptor-dependent miR1 ...	Lesiak, Adam; Zhu, Mingyan; Chen, Hao; Appleyard, Suzanne M; Impey, Soren; Lein, Pamela J; Wayman, Gary A	J Neurosci (2014 Jan 15)	34 / 717-25	PubMed Citation
The in vivo estrogenic and in vitro anti-estrogenic activity of permethrin and bifenthrin.	Brander, Susanne M; He, Guochun; Smalling, Kelly L; Denison, Michael S; Cherr, Gary N	Environ Toxicol Chem (2012 Dec)	31 / 2848-55	PubMed Citation
The influence of natural organic matter rigidity on the sorption, desorption, and competitive displa ...	Ju, Daeyoung; Young, Thomas M	Environ Sci Technol (2005 Oct 15)	39 / 7956-63	PubMed Citation
The influence of the rigidity of geosorbent organic matter on non-ideal sorption behaviors of chlori ...	Ju, Daeyoung; Young, Thomas M	Water Res (2005 Jul)	39 / 2599-610	PubMed Citation
The neutralizing effect of a polyclonal antibody raised against the N-terminal eighteen-aminoacid re ...	Inceoglu, Bora; Lango, Jozsef; Rabivovich, Alina; Whetstone, Paul; Hammock, Bruce D	Toxicon (2006 Feb)	47 / 144-9	PubMed Citation
The relation of computer-based measures of sperm morphology and motility to male infertility.	Boyle, C A; Khoury, M J; Katz, D F; Annest, J L; Kresnow, M J; DeStefano, F; Schrader, S M	Epidemiology (1992 May)	3 / 239-46	PubMed Citation

The relationship between hCG and relaxin secretion in normal pregnancies vs peri-implantation sponta ...	Stewart, D R; Overstreet, J W; Celniker, A C; Hess, D L; Cragun, J R; Boyers, S P; Lasley, B L	Clin Endocrinol (Oxf) (1993 Apr)	38 / 379-85	PubMed Citation
The relationship between trophoblast differentiation and the production of bioactive hCG.	Ho, H H; Douglas, G C; Qiu, Q F; Thirkill, T L; Overstreet, J W; Lasley, B L	Early Pregnancy (1997 Dec)	3 / 291-300	PubMed Citation
The relationship of corpus luteum volume to relaxin, estradiol, progesterone, 17-hydroxyprogesterone ...	Glock, J L; Nakajima, S T; Stewart, D R; Badger, G J; Brumsted, J R	Early Pregnancy (1995 Sep)	1 / 206-11	PubMed Citation
The role of inflammatory mediators in the synergistic toxicity of ozone and 1-nitronaphthalene in ra ...	Schmelzer, Kara R; Wheelock, Asa M; Dettmer, Katja; Morin, Dexter; Hammock, Bruce D	Environ Health Perspect (2006 Sep)	114 / 1354-60	PubMed Citation
The role of long chain fatty acids and their epoxide metabolites in nociceptive signaling.	Wagner, Karen; Vito, Steve; Inceoglu, Bora; Hammock, Bruce D	Prostaglandins Other Lipid Mediat (2014 Oct)	113-115 / 2-12	PubMed Citation
The role of methyl-linoleic acid epoxide and diol metabolites in the amplified toxicity of linoleic ...	Slim, R; Hammock, B D; Toborek, M; Robertson, L W; Newman, J W; Morrisseau, C H; Watkins, B A; Saraswathi, V; Hennig, B	Toxicol Appl Pharmacol (2001 Mar 15)	171 / 184-93	PubMed Citation
The Significance of Indirect Deposition on Wintertime PAH Concentrations in an Urban Northern Califo ...	Kim, Daekyun; Young, Thomas M	Environ Eng Sci (2009)	26 / 269-277	PubMed Citation
The silencing mediator of retinoic acid and thyroid hormone receptors can interact with the aryl hyd ...	Rushing, S Renée; Denison, Michael S	Arch Biochem Biophys (2002 Jul 15)	403 / 189-201	PubMed Citation
The simultaneous quantification of cytochrome P450 dependent linoleate and arachidonate metabolites ...	Newman, John W; Watanabe, Takaho; Hammock, Bruce D	J Lipid Res (2002 Sep)	43 / 1563-78	PubMed Citation
The soluble epoxide hydrolase as a pharmaceutical target for hypertension.	Chiamvimonvat, Nipavan; Ho, Chin-Min; Tsai, Hsing-Ju; Hammock, Bruce D	J Cardiovasc Pharmacol (2007 Sep)	50 / 225-37	PubMed Citation
The soluble epoxide hydrolase encoded by EPXH2 is a bifunctional enzyme with novel lipid phosphate p ...	Newman, John W; Morrisseau, Christophe; Harris, Todd R; Hammock, Bruce D	Proc Natl Acad Sci U S A (2003 Feb 18)	100 / 1558-63	PubMed Citation
Therapeutic activity of inhibition of the soluble epoxide hydrolase in a mouse model of scrapie.	Poli, Giorgio; Corda, Erica; Martino, Piera Anna; Dall'ara, Paola; Bareggi, Silvio R; Bondiotti, Giampietro; Iulini, Barbara; Mazza, Maria; Casalone, Cristina; Hwang, Sung Hee; Hammock, Bruce D; Inceoglu, Bora	Life Sci (2013 Jun 21)	92 / 1145-50	PubMed Citation
Third-generation Ah receptor-responsive luciferase reporter plasmids: amplification of dioxin-respon ...	He, Guochun; Tsutsumi, Tomoaki; Zhao, Bin; Baston, David S; Zhao, Jing; Heath-Pagliuso, Sharon; Denison, Michael S	Toxicol Sci (2011 Oct)	123 / 511-22	PubMed Citation
Three structurally related, highly potent, peptides from the venom of <i>Parabuthus transvaalicus</i> posse ...	Inceoglu, Bora; Lango, Jozsef; Pessah, Isaac N; Hammock, Bruce D	Toxicon (2005 May)	45 / 727-33	PubMed Citation
Three-dimensional mapping of ozone-induced acute cytotoxicity in tracheobronchial airways of isolate ...	Postlethwait, E M; Joad, J P; Hyde, D M; Schelegle, E S; Bric, J M; Weir, A J; Putney, L F; Wong, V J; Velsor, L W; Plopper, C G	Am J Respir Cell Mol Biol (2000 Feb)	22 / 191-9	PubMed Citation
Three-dimensional mapping of smooth muscle in the distal conducting airways of mouse, rabbit, and mo ...	Smiley-Jewell, S M; Tran, M U; Weir, A J; Johnson, Z A; Van Winkle, L S; Plopper, C G	J Appl Physiol (2002 Oct)	93 / 1506-14	PubMed Citation
Thyroid hormones and thyroid disease in relation to perchlorate dose and residence near a superfund ...	Gold, Ellen B; Blount, Benjamin C; O'Neill Rasor, Marianne; Lee, Jennifer S; Alwis, Udeni; Srivastav, Anup; Kim, Kyoungmi	J Expo Sci Environ Epidemiol (2013 Jul)	23 / 399-408	PubMed Citation

Tilapia (<i>Oreochromis mossambicus</i>) brain cells respond to hyperosmotic challenge by inducing myo-inos ...	Gardell, Alison M; Yang, Jun; Sacchi, Romina; Fangue, Nann A; Hammock, Bruce D; Kultz, Dietmar	J Exp Biol (2013 Dec 15)	216 / 4615-25	PubMed Citation
Time-integrated monitoring of dioxin-like polychlorinated biphenyls (dl-PCBs) in aquatic environment ...	Adddeck, Amr; Croes, Kim; Van Langenhove, Kersten; Denison, Michael S; Afify, Ahmed S; Gao, Yue; Elskens, Marc; Baeyens, Willy	Talanta (2014 Mar)	120 / 413-8	PubMed Citation
Time-integrated monitoring of polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans (P ...	Adddeck, Amr; Croes, Kim; Van Langenhove, Kersten; Denison, Michael S; Elhamalawy, Ahmed; Elskens, Marc; Baeyens, Willy	Chemosphere (2014 Jan)	94 / 27-35	PubMed Citation
Titrating luteinizing hormone replacement to sustain the structure and function of the corpus luteum ...	Duffy, D M; Stewart, D R; Stouffer, R L	J Clin Endocrinol Metab (1999 Jan)	84 / 342-9	PubMed Citation
To duckweeds (<i>Landoltia punctata</i>), nanoparticulate copper oxide is more inhibitory than the soluble ...	Shi, Jiyan; Abid, Aamir D; Kennedy, Ian M; Hristova, Krassimira R; Silk, Wendy K	Environ Pollut (2011 May)	159 / 1277-82	PubMed Citation
Total urinary follicle stimulating hormone as a biomarker for detection of early pregnancy and perii ...	Qiu, Q; Overstreet, J W; Todd, H; Nakajima, S T; Stewart, D R; Lasley, B L	Environ Health Perspect (1997 Aug)	105 / 862-6	PubMed Citation
Toward automated analysis of biofilm architecture: bias caused by extraneous confocal laser scanning ...	Merod, Robin T; Warren, Jennifer E; McCaslin, Hope; Wuertz, Stefan	Appl Environ Microbiol (2007 Aug)	73 / 4922-30	PubMed Citation
Toward understanding amines and their degradation products from postcombustion CO ₂ capture processes ...	Ge, Xinlei; Shaw, Stephanie L; Zhang, Qi	Environ Sci Technol (2014 May 6)	48 / 5066-75	PubMed Citation
Toxic actions of dinoseb in medaka (<i>Oryzias latipes</i>) embryos as determined by in vivo ³¹ P NMR, HPLC- ...	Viant, Mark R; Pincetich, Christopher A; Hinton, David E; Tjeerdema, Ronald S	Aquat Toxicol (2006 Mar 10)	76 / 329-42	PubMed Citation
Toxicity and metabolism of methylnaphthalenes: comparison with naphthalene and 1-nitronaphthalene.	Lin, Ching Yu; Wheelock, Asa M; Morin, Dexter; Baldwin, R Michael; Lee, Myong Gong; Taff, Aysha; Plopper, Charles; Buckpitt, Alan; Rohde, Arlean	Toxicology (2009 Jun 16)	260 / 16-27	PubMed Citation
Toxicity of epoxy fatty acids and related compounds to cells expressing human soluble epoxide hydrol ...	Greene, J F; Newman, J W; Williamson, K C; Hammock, B D	Chem Res Toxicol (2000 Apr)	13 / 217-26	PubMed Citation
Toxicity of herbicides in highway runoff.	Huang, Xinjiang; Fong, Stephanie; Deanovic, Linda; Young, Thomas M	Environ Toxicol Chem (2005 Sep)	24 / 2336-40	PubMed Citation
Toxicology in the fast lane: application of high-throughput bioassays to detect modulation of key en ...	Morrisseau, Christophe; Merzlikin, Oleg; Lin, Amy; He, Guochun; Feng, Wei; Padilla, Isela; Denison, Michael S; Pessah, Isaac N; Hammock, Bruce D	Environ Health Perspect (2009 Dec)	117 / 1867-72	PubMed Citation
Transcriptional regulation of the human soluble epoxide hydrolase gene EPHX2.	Tanaka, Hiromasa; Kamita, Shizuo G; Wolf, Nicola M; Harris, Todd R; Wu, Zhaoju; Morrisseau, Christophe; Hammock, Bruce D	Biochim Biophys Acta (2008 Jan)	1779 / 17-27	PubMed Citation
Transformation and normalization of oligonucleotide microarray data.	Geller, Sue C; Gregg, Jeff P; Hagerman, Paul; Rocke, David M	Bioinformatics (2003 Sep 22)	19 / 1817-23	PubMed Citation
Transient expression of CYP1A1 in rat epithelial cells cultured in suspension.	Monk, S A; Denison, M S; Rice, R H	Arch Biochem Biophys (2001 Sep 1)	393 / 154-62	PubMed Citation
Transient genome-wide transcriptional response to low-dose ionizing radiation in vivo in humans.	Berglund, Susanne R; Rocke, David M; Dai, Jian; Schwietert, Chad W; Santana, Alison; Stern, Robin L; Lehmann, Joerg; Hartmann Siantar, Christine L; Goldberg, Zelanna	Int J Radiat Oncol Biol Phys (2008 Jan 1)	70 / 229-34	PubMed Citation
Transport and biodegradation of perchlorate in soils.	Tipton, Deborah K; Rolston, Dennis E; Scow, Kate M	J Environ Qual (2003 Jan-Feb)	32 / 40-6	PubMed Citation

Treatment of mice with 2,3,7,8-Tetrachlorodibenzo-p-dioxin markedly increases the levels of a number ...	Yang, Jun; Solaimani, Parrisa; Dong, Hua; Hammock, Bruce; Hankinson, Oliver	J Toxicol Sci (2013)	38 / 833-6	PubMed Citation
Triclocarban enhances testosterone action: a new type of endocrine disruptor?	Chen, Jiangang; Ahn, Ki Chang; Gee, Nancy A; Ahmed, Mohamed I; Duleba, Antoni J; Zhao, Ling; Gee, Shirley J; Hammock, Bruce D; Lasley, Bill L	Endocrinology (2008 Mar)	149 / 1173-9	PubMed Citation
Triclocarban mediates induction of xenobiotic metabolism through activation of the constitutive andr ...	Yueh, Mei-Fei; Li, Tao; Evans, Ronald M; Hammock, Bruce; Tukey, Robert H	PLoS One (2012)	7 / e37705	PubMed Citation
Tricosan impairs excitation-contraction coupling and Ca ²⁺ dynamics in striated muscle.	Cherednichenko, Gennady; Zhang, Rui; Bannister, Roger A; Timofeyev, Valeriy; Li, Ning; Fritsch, Erika B; Feng, Wei; Barrientos, Genaro C; Schebb, Nils H; Hammock, Bruce D; Beam, Kurt G; Chiamvimonvat, Nipavan; Pessah, Isaac N	Proc Natl Acad Sci U S A (2012 Aug 28)	109 / 14158-63	PubMed Citation
Tricosan impairs swimming behavior and alters expression of excitation-contraction coupling protein ...	Fritsch, Erika B; Connon, Richard E; Werner, Inge; Davies, Rebecca E; Beggel, Sebastian; Feng, Wei; Pessah, Isaac N	Environ Sci Technol (2013 Feb 19)	47 / 2008-17	PubMed Citation
Triglyceride-rich lipoprotein lipolysis releases neutral and oxidized FFAs that induce endothelial c ...	Wang, Limin; Gill, Rajan; Pedersen, Theresa L; Higgins, Laura J; Newman, John W; Rutledge, John C	J Lipid Res (2009 Feb)	50 / 204-13	PubMed Citation
Trout liver slices for metabolism and toxicity studies.	Singh, Y; Cooke, J B; Hinton, D E; Miller, M G	Drug Metab Dispos (1996 Jan)	24 / 7-14	PubMed Citation
Tryptophan fluorescence quenching by enzyme inhibitors as a tool for enzyme active site structure in ...	Matveeva, Evgenia G; Morisseau, Christophe; Goodrow, Marvin H; Mullin, Chris; Hammock, Bruce D	Curr Pharm Biotechnol (2009 Sep)	10 / 589-99	PubMed Citation
Tumor classification by partial least squares using microarray gene expression data.	Nguyen, Danh V; Rocke, David M	Bioinformatics (2002 Jan)	18 / 39-50	PubMed Citation
Ultra-long Magnetic Nanochains for Highly Efficient Arsenic Removal from Water.	Das, Gautam Kumar; Bonifacio, Cecile S; De Rojas, Julius; Liu, Kai; van Benthem, Klaus; Kennedy, Ian M	J Mater Chem A (2014 Aug 28)	2 / 12974-12981	PubMed Citation
Ultrasensitive on-chip immunoassays with a nanoparticle-assembled photonic crystal.	Han, Jin-Hee; Sudheendra, L; Kim, Hee-Joo; Gee, Shirley J; Hammock, Bruce D; Kennedy, Ian M	ACS Nano (2012 Oct 23)	6 / 8570-82	PubMed Citation
Ultrastructural visualization of cross-linked protein features in epidermal appendages.	Rice, R H; Wong, V J; Pinkerton, K E	J Cell Sci (1994 Jul)	107 (Pt 7) / 1985-92	PubMed Citation
Ultraviolet B-mediated phosphorylation of the small heat shock protein HSP27 in human keratinocytes.	Wong, J W; Shi, B; Farboud, B; McLaren, M; Shibamoto, T; Cross, C E; Isseroff, R R	J Invest Dermatol (2000 Sep)	115 / 427-34	PubMed Citation
Unique mechanistic insights into the beneficial effects of soluble epoxide hydrolase inhibitors in t ...	Sirish, Padmini; Li, Ning; Liu, Jun-Yan; Lee, Kin Sing Stephen; Hwang, Sung Hee; Qiu, Hong; Zhao, Cuifen; Ma, Siu Mei; López, Javier E; Hammock, Bruce D; Chiamvimonvat, Nipavan	Proc Natl Acad Sci U S A (2013 Apr 2)	110 / 5618-23	PubMed Citation
Upconversion in NaYF(4):Yb, Er nanoparticles amplified by metal nanostructures.	Deng, Wei; Sudheendra, L; Zhao, Jiangbo; Fu, Junxiang; Jin, Dayong; Kennedy, Ian M; Goldys, Ewa M	Nanotechnology (2011 Aug 12)	22 / 325604	PubMed Citation
Uptake and inflammatory effects of nanoparticles in a human vascular endothelial cell line.	Kennedy, Ian M; Wilson, Dennis; Barakat, Abdul I; HEI Health Review Committee	Res Rep Health Eff Inst (2009 Jan)	/ 3-32	PubMed Citation
Urinary follicle stimulating hormone can be used as a biomarker to assess male reproductive function ...	Wang, X R; Overstreet, J W; Todd, H; Qiu, Q; Yang, J H; Wang, S Y; Xu, X P; Lasley, B L	Asian J Androl (1999 Jun)	1 / 67-72	PubMed Citation

Urinary follicle-stimulating hormone peak as a biomarker for estimating the day of ovulation.	Li, Hongxia; Chen, Jiangang; Overstreet, James W; Nakajima, Steven T; Lasley, Bill L	Fertil Steril (2002 May)	77 / 961-6	PubMed Citation
Use of a soluble epoxide hydrolase inhibitor as an adjunctive analgesic in a horse with laminitis.	Guedes, Alonso G P; Morisseau, Christophe; Sole, Albert; Soares, Joao H N; Ulu, Arzu; Dong, Hua; Hammock, Bruce D	Vet Anaesth Analg (2013 Jul)	40 / 440-8	PubMed Citation
Use of ab initio calculations to predict the biological potency of carboxylesterase inhibitors.	Wheelock, Craig E; Colvin, Michael E; Uemura, Ippei; Olmstead, Marilyn M; Sanborn, James R; Nakagawa, Yoshiaki; Jones, A Daniel; Hammock, Bruce D	J Med Chem (2002 Dec 5)	45 / 5576-93	PubMed Citation
Use of carboxylesterase activity to remove pyrethroid-associated toxicity to Ceriodaphnia dubia and ...	Wheelock, Craig E; Miller, Jeff L; Miller, Mike J; Phillips, Bryn M; Huntley, Sarah A; Gee, Shirley J; Tjeerdema, Ronald S; Hammock, Bruce D	Environ Toxicol Chem (2006 Apr)	25 / 973-84	PubMed Citation
Use of chemical and physical characteristics to investigate trends in biochar feedstocks.	Mukome, Fungai N D; Zhang, Xiaoming; Silva, Lucas C R; Six, Johan; Parikh, Sanjai J	J Agric Food Chem (2013 Mar 6)	61 / 2196-204	PubMed Citation
Use of classical and 3-D QSAR to examine the hydration state of juvenile hormone esterase inhibitors ...	Wheelock, Craig E; Nakagawa, Yoshiaki; Akamatsu, Miki; Hammock, Bruce D	Bioorg Med Chem (2003 Nov 17)	11 / 5101-16	PubMed Citation
Use of metabolomic profiling in the study of arachidonic acid metabolism in cardiovascular disease.	Li, Ning; Liu, Jun-Yan; Qiu, Hong; Harris, Todd R; Sirish, Padmini; Hammock, Bruce D; Chiamvimonvat, Nipavan	Congest Heart Fail (2011 Jan-Feb)	17 / 42-6	PubMed Citation
Use of micro-XANES to speciate chromium in airborne fine particles in the Sacramento Valley.	Werner, Michelle L; Nico, Peter S; Marcus, Matthew A; Anastasio, Cort	Environ Sci Technol (2007 Jul 15)	41 / 4919-24	PubMed Citation
Use of urine biomarkers to evaluate menstrual function in healthy premenopausal women.	Waller, K; Swan, S H; Windham, G C; Fenster, L; Elkin, E P; Lasley, B L	Am J Epidemiol (1998 Jun 1)	147 / 1071-80	PubMed Citation
Using DNA-Stable Isotope Probing to Identify MTBE- and TBA-Degrading Microorganisms in Contaminated ...	Key, Katherine C; Sublette, Kerry L; Duncan, Kathleen; Mackay, Douglas M; Scow, Kate M; Ogles, Dora	Ground Water Monit Remediat (2013)	33 / 57-68	PubMed Citation
Using groundwater age distributions to estimate the effective parameters of Fickian and non-Fickian ...	Engdahl, Nicholas B; Ginn, Timothy R; Fogg, Graham E	Adv Water Resour (2013 Apr)	54 / 11-21	PubMed Citation
Using the Morris water maze to assess spatial learning and memory in weanling mice.	Barnhart, Christopher D; Yang, Dongren; Lein, Pamela J	PLoS One (2015)	10 / e0124521	PubMed Citation
Validated high-performance liquid chromatography-electrochemical method for determination of glutath ...	Lakritz, J; Plopper, C G; Buckpitt, A R	Anal Biochem (1997 Apr 5)	247 / 63-8	PubMed Citation
Variance-stabilizing transformations for two-color microarrays.	Durbin, Blythe P; Rocke, David M	Bioinformatics (2004 Mar 22)	20 / 660-7	PubMed Citation
Vascular localization of soluble epoxide hydrolase in the human kidney.	Yu, Zhigang; Davis, Benjamin B; Morisseau, Christophe; Hammock, Bruce D; Olson, Jean L; Kroetz, Deanna L; Weiss, Robert H	Am J Physiol Renal Physiol (2004 Apr)	286 / F720-6	PubMed Citation
Vasoconstrictor potential of coronary aspirate from patients undergoing stenting of saphenous vein a ...	Kleinbongard, Petra; Bose, Dirk; Baars, Theodor; Mohlenkamp, Stefan; Konorza, Thomas; Schoner, Sandra; Elter-Schulz, Miriam; Eggebrecht, Holger; Degen, Hubertus; Haude, Michael; Levkau, Bodo; Schulz, Rainer; Erbel, Raimund; Heusch, Gerd	Circ Res (2011 Feb 4)	108 / 344-52	PubMed Citation

VHH antibodies: emerging reagents for the analysis of environmental chemicals.	Bever, Candace S; Dong, Jie-Xian; Vasylyeva, Natalia; Barnych, Bogdan; Cui, Yongliang; Xu, Zhen-Lin; Hammock, Bruce D; Gee, Shirley J	Anal Bioanal Chem (2016 Sep)	408 / 5985-6002	PubMed Citation
VHH phage-based competitive real-time immuno-polymerase chain reaction for ultrasensitive detection ...	Liu, Xing; Xu, Yang; Xiong, Yong-hua; Tu, Zhui; Li, Yan-ping; He, Zhen-yun; Qiu, Yu-lou; Fu, Jin-heng; Gee, Shirley J; Hammock, Bruce D	Anal Chem (2014 Aug 5)	86 / 7471-7	PubMed Citation
Visualizing the Mechanism of Epoxide Hydrolysis by the Bacterial Virulence Enzyme Cif.	Bahl, Christopher D; Hvorecny, Kelli L; Morisseau, Christophe; Gerber, Scott A; Madden, Dean R	Biochemistry (2016 Feb 9)	55 / 788-97	PubMed Citation
Vitamin D enhances corneal epithelial barrier function.	Yin, Zhaohong; Pintea, Victorina; Lin, Yanping; Hammock, Bruce D; Watsky, Mitchell A	Invest Ophthalmol Vis Sci (2011 Sep)	52 / 7359-64	PubMed Citation
Vitamin D in Tear Fluid.	Lu, Xiaowen; Elizondo, Rodolfo A; Nielsen, Rikke; Christensen, Erik I; Yang, Jun; Hammock, Bruce D; Watsky, Mitchell A	Invest Ophthalmol Vis Sci (2015 Sep)	56 / 5880-7	PubMed Citation
Vitamin D intake needed to maintain target serum 25-hydroxyvitamin D concentrations in participants ...	Hall, Laura M; Kimlin, Michael G; Aronov, Pavel A; Hammock, Bruce D; Slusser, James R; Woodhouse, Leslie R; Stephensen, Charles B	J Nutr (2010 Mar)	140 / 542-50	PubMed Citation
Whole blood is the sample matrix of choice for monitoring systemic triclocarban levels.	Schebb, Nils Helge; Ahn, Ki Chang; Dong, Hua; Gee, Shirley J; Hammock, Bruce D	Chemosphere	87 / 825-7	PubMed Citation
Whole-genome analysis of the methyl tert-butyl ether-degrading beta-proteobacterium <i>Methylibium petr</i> ...	Kane, Staci R; Chakicherla, Anu Y; Chain, Patrick S G; Schmidt, Radomir; Shin, Maria W; Legler, Tina C; Scow, Kate M; Larimer, Frank W; Lucas, Susan M; Richardson, Paul M; Hristova, Krassimira R	J Bacteriol (2007 Mar)	189 / 1931-45	PubMed Citation
Women and Lung Disease. Sex Differences and Global Health Disparities.	Pinkerton, Kent E; Harbaugh, Mary; Han, MeiLan K; Jourdan Le Saux, Claude; Van Winkle, Laura S; Martin 2nd, William J; Kosgei, Rose J; Carter, E Jane; Sitkin, Nicole; Smiley-Jewell, Suzette M; George, Maureen	Am J Respir Crit Care Med (2015 Jul 1)	192 / 11-6	PubMed Citation
Xenobiotic metabolizing enzyme activities in rat, mouse, monkey, and human testes.	DiBiasio, K W; Silva, M H; Shull, L R; Overstreet, J W; Hammock, B D; Miller, M G	Drug Metab Dispos (1991 Jan-Feb)	19 / 227-32	PubMed Citation
Zeta-potential Analyses using Micro Electrical Field Flow Fractionation with Fluorescent Nanoparticl ...	Chang, Moon-Hwan; Dosev, Dosi; Kennedy, Ian M	Sens Actuators B Chem (2007 Jun 10)	124 / 172-178	PubMed Citation
ω-3 polyunsaturated fatty acids-derived lipid metabolites on angiogenesis, inflammation and cancer.	Wang, Weicang; Zhu, Julia; Lyu, Fei; Panigrahy, Dipak; Ferrara, Katherine W; Hammock, Bruce; Zhang, Guodong	Prostaglandins Other Lipid Mediat (2014 Oct)	113-115 / 13-20	PubMed Citation